



# LEXPOWER IoT RT

## 1-20kVA Online UPS

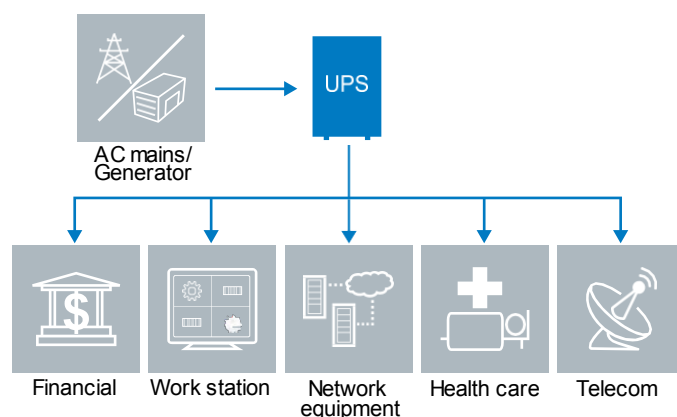


### Κύρια χαρακτηριστικά

- Τοπολογία Online διπλής μετατροπής με υψηλή προσαρμοστικότητα και προστασία από όλες τις ανωμαλίες του ηλεκτρικού δικτύου.
- Πραγματικός συντελεστής ισχύος 1 (PF=1) για περισσότερη ισχύ.
- Υψηλή απόδοση για εξοικονόμηση ενέργειας.
- Ρυθμιζόμενο ρεύμα φόρτισης για ευελξία στη χρήση μπαταριών.
- Βελτιωμένη μέθοδος φόρτισης για επέκταση του χρόνου ζωής των μπαταριών.
- Τα μοντέλα 10-20K 3-3 παρέχουν ευελξία και μπορούν να καλωδιωθούν ανάλογα με τις απαιτήσεις της εγκατάστασης ως 3-3, 3-1 ή 1-1.
- Τα μοντέλα 10-20K 3-3 μπορεί να συνδεθούν στην είσοδο σε μία ή σε δύο πηγές (μία με την είσοδο του UPS και η άλλη με το Bypass).
- Ενσωματωμένη προστασία OVCD (Over Voltage Protection), ανίχνευση κλειδώματος ανεμιστήρα, ανίχνευση υπερβολικής θερμοκρασίας, προειδοποίηση υπερφόρτωσης για ενίσχυση της αξιοπιστίας του προϊόντος.

- Προγραμματιζόμενη (ενεργοποίηση/απενεργοποίηση) ομάδα πριζών εξόδου επεκτείνει τον χρόνο αυτονομίας σε κρίσιμα φορτία (μοντέλα 6-20K χρειάζονται PDU).
- Αυτόματη ανίχνευση του αριθμού των συνδεδεμένων EBM που απλοποιεί την εγκατάσταση EBM για χρήστες IT.
- Συμπαγές μέγεθος που απαιτεί μικρό χώρο εγκατάστασης.
- Μπαταρίες με δυνατότητα αλλαγής τους εν λειτουργία για εξοικονόμηση χρόνου και κόστους (ισχύει για μοντέλα UPS 1-3K).
- Χαμηλή στάθμη θορύβου στο ονομαστικό φορτίο.
- Dot matrix LCD με δυνατότητα επιλογής έως και 10 γλώσσες για εύκολη εγκατάσταση.
- Έγχρωμη οθόνη LCD (μοντέλα 10-20K 3-3) με δυνατότητα αφής και αισθητήρες βαρύτητας.
- Η ενσωματωμένη θύρα Ethernet παρέχει ασφαλή σύνδεση δικτύου στο Cloud για κάλυψη των απαιτήσεων στην αυξανόμενη ζήτηση για IoT.
- Μονάδα (module) WLAN για σύνδεση IoT.
- Mobile APP για παρακολούθηση, παραμετροποίηση. Υποστήριξη Android/iOS Mobile APP.
- Το USB HID επιτρέπει την παρακολούθηση του UPS χωρίς εγκατάσταση λογισμικού.
- Ξηρή επαφή για βιομηχανική εφαρμογή.
- Αναβαθμισμένη κάρτα δικτύου σύμφωνα με το πρότυπο κυβερνοασφάλειας IEC.

### Typical application

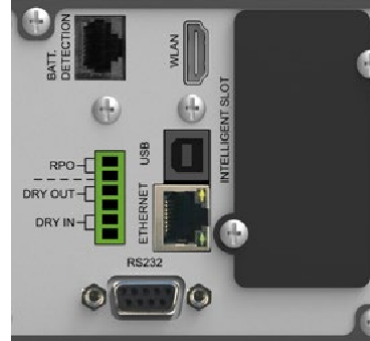


## LEXPOWER IoT RT series

### Νέα σειρά UPS ONLINE Διπλής Μετατροπής

Υψηλής ποιότητας και αξιοπιστίας τεχνολογία Online διπλής μετατροπής UPS παρέχει πραγματική προστασία σε εξοπλισμό και εφαρμογές IT (τεχνολογία πληροφοριών) και OT (τεχνολογία λειτουργίας). Ευέλικτη σχεδίαση rack/tower με μικρό αποτύπωμα 2U/3U και δυνατότητα υποστήριξης φορτίων από 1 έως 20kVA.

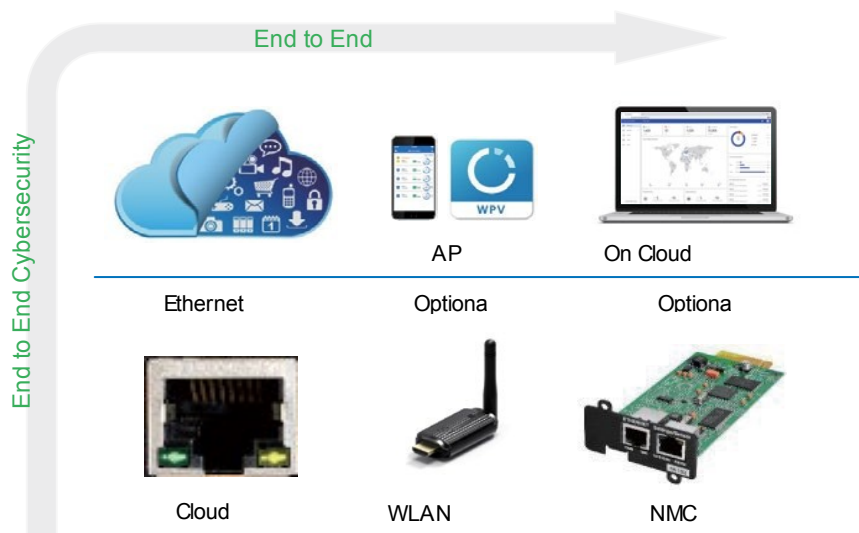
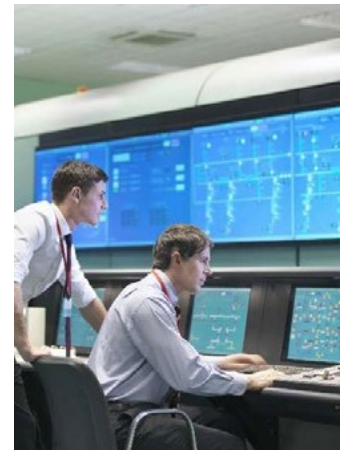
Η συγκεκριμένη σειρά UPS είναι κατάλληλα σχεδιασμένη με δυνατότητα απρόσκοπτης σύνδεσης στο cloud που επιτρέπει την online παρακολούθηση του UPS μέσω οποιασδήποτε συσκευής συνδεδεμένης στο Διαδίκτυο.



Για τη διασφάλιση των πληροφοριών η σύνδεση είναι συμβατή με το πρότυπο IEC που αφορά την ασφάλεια στον κυβερνοχώρο και σύμφωνα με τον κανονισμό GDPR.

### Δίκτυο συνδεδεμένο και δεδομένα στο cloud

- Εύκολη ρύθμιση και ασφαλής σύνδεση στο Cloud.
- Σύνδεση στο Cloud μέσω πρωτοκόλλου MQTT (το πιο ευρέως χρησιμοποιούμενο πρωτόκολλο IoT).
- Παρακολούθηση της αξιοπιστίας του εξοπλισμού σε πραγματικό χρόνο για την πρόληψη αστοχιών και τη συνέχιση της ομαλής λειτουργίας της επιχείρησης.
- Απομακρυσμένη παρακολούθηση, προγραμματισμένη συντήρηση και αναβάθμιση λογισμικού UPS (μελλοντικά διαθέσιμη).
- Απλοποιημένη παρουσίαση των δεδομένων για τους τεχνικούς και τον τελικό χρήστη.
- Μείωση του χρόνου απόκρισης σε περίπτωση αστοχίας του UPS καθώς το Cloud ωθεί τις ακριβείς πληροφορίες στον τελικό χρήστη και στους ανθρώπους τεχνικής υποστήριξης ταυτόχρονα.
- Δημιουργεί ευκαιρίες παροχής υπηρεσιών προστιθέμενης αξίας στα πλαίσια του ψηφιακού μετασχηματισμού.



**Product Rear Panel**



TIGRA PLUS 1K-1.5KRT-IoT



TIGRA PLUS 2KRT-IoT



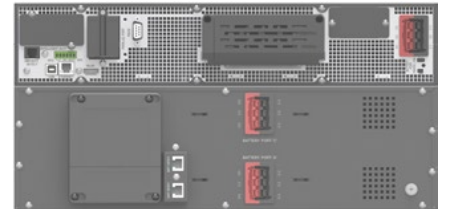
TIGRA PLUS 3KRT-IoT



TIGRA PLUS 1-1.5KRT-EBM-IoT-36V



TIGRA PLUS 2-3KRT-EBM-IoT-72V

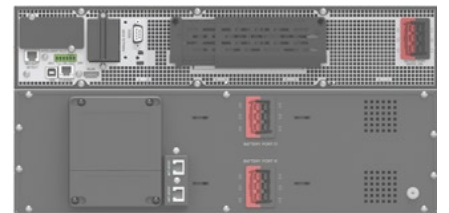


TIGRA SUPREME 6K-10KRT-IoT

TIGRA SUPREME 6K-10K EBM-RT-IoT-240V



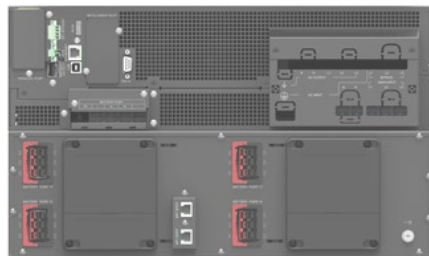
TIGRA SUPREME 6K-10KRT- MBP-IoT



TIGRA SUPREME 10KRT-IoT 3-1



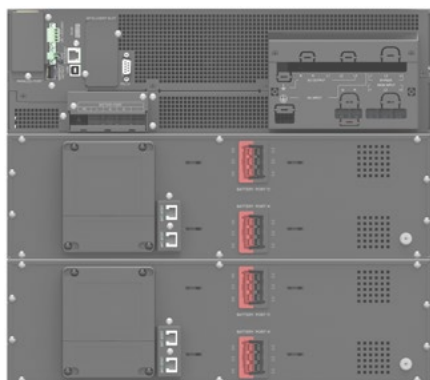
TIGRA SUPREME 10KRT- MBP-IoT- 3-1



TIGRA PLUS 3310 (10K)RT-IoT 3-3



TIGRA PLUS 3310-(10K) RT EBM-IoT-3-3



TIGRA PLUS 3315-3320-RT (15-20K) 3-3



TIGRA PLUS 3315-20KRT 3-3 EBM-IoT



TIGRA PLUS 3310-15-20 KRT 3-3 MBP



TIGRA PLUS 3310-15-20 KRT-MBP-IoT-  
3-3MBP parallel  
1+1 version

Model name		TIGRA PLUS IKRT-IoT	TIGRA PLUS IK <del>S</del> RT-IoT	TIGRA PLUS I.5KR T-IoT	TIGRA PLUS I.5K <del>S</del> RT-IoT
Power rating	VA/Watt	1000VA/1000W	1000VA/1000W	1500VA/1500W	1500VA/1500W
Efficiency	Double conversion mode	89%	89%	89%	89%
	ECO mode	96%	96%	97%	97%
Input performance	Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly	160-300V 100% load, 110-160V derating to 50% load linearly	160-300V 100% load, 110-160V derating to 50% load linearly	160-300V 100% load, 110-160V derating to 50% load linearly
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load> 60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load> 60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load> 60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load> 60%)
	PF	>0.99	>0.99	>0.99	>0.99
	THDI	<5%	<5%	<5%	<5%
Input connection		IEC C14	IEC C14	IEC C14	IEC C14
Output performance	Rated voltage	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Maximum PF	1	1	1	1
	Voltage accuracy	±1%	±1%	±1%	±1%
	THDv	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load
	Transfer time	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)
	Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload(line mode)	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	
Output connection	Wiring/socket	1 main outlet group (with 4 x IEC C13) and 1 program-mable outlet group (with 4 x IEC C13)	1 main outlet group (with 4 x IEC C13) and 1 program-mable outlet group (with 4 x IEC C13)	1 main outlet group (with 4 x IEC C13) and 1 program-mable outlet group (with 4 x IEC C13)	1 main outlet group (with 4 x IEC C13) and 1 program-mable outlet group (with 4 x IEC C13)
	Load segment control	Yes	Yes	Yes	Yes
Battery	Voltage	36V/24VDC	36VDC	36VDC	36VDC
	Capacity(AH)	3 x 12V/7Ah or 2 x 12V/9Ah	NA	3 x 12V/9Ah	NA
	Backup time Typical value by default battery capacity, PF=1	"3.0min 100% load 12.2min 50% load"	NA	"2.4min 100% load 8.7min 50% load"	NA
Maximum connect external battery module quantity		4	4	4	4
Charger	Charging current	1.5A	8A	1.5A	8A
	Recharging time	3h to 90%	NA	3h to 90%	NA

Model name		TIGRA PLUS IKRT-IoT	TIGRA PLUS IK RT-IoT	TIGRA PLUS I.5KRT-IoT	TIGRA PLUS I.5KRT-IoT
Other working mode	CVCF	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)
	Parallel	no	no	no	no
HMI(human-machine interface)	Display	Dot matrix LCD, rotatable manually(optional segment LCD)	Dot matrix LCD, rotatable manually(optional segment LCD)	Dot matrix LCD, rotatable manually(optional segment LCD)	Dot matrix LCD, rotatable manually(optional segment LCD)
	Language	10 Languages	10 Languages	10 Languages	10 Languages
	USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
	RS232	Yes(DB9)	Yes(DB9)	Yes(DB9)	Yes(DB9)
	Dry in/out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out
	EPO	yes	yes	yes	yes
	Intelignet slot	yes(for long card)	yes(for long card)	yes(for long card)	yes(for long card)
	Network card	Optional, NMC lng card	Optional, NMC lng card	Optional, NMC lng card	Optional, NMC lng card
	Modbus card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card
	Dry contactor card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card
	WLAN module	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type
	Ethernet port for IOT	RJ45	RJ45	RJ45	RJ45
	Monitor software	Winpower	Winpower	Winpower	Winpower
	Physical performance	Dimension(W*D*H)MM	438*445*86.5(2U)	438*445*86.5(2U)	438*445*86.5(2U)
IP protection level		IP20	IP20	IP20	IP20
Environment	Operating temperature	0-40°C	0-40°C	0-40°C	0-40°C
	Relative Humidity	0-95%	0-95%	0-95%	0-95%
	Operating Altitude	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)
	Acoustic Noise	<45dB @ typical load with battery fully charged	<45dB @ typical load with battery fully charged	<45dB @ typical load with battery fully charged	<45dB @ typical load with battery fully charged
Certification		CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040
EMI	Conduction/Radiation	C2	C2	C2	C2
EMS	ESD	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2
	RS	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4
	Surge	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5
Accessory	Maintenance bypass switch	NA	NA	NA	NA
	Input power cable	yes	yes	yes	yes
	Output power cable	yes,1*10A	yes,1*10A	yes,1*10A	yes,1*10A
	EBM cable	yes(in EBM)	yes(in EBM)	yes(in EBM)	yes(in EBM)
	USB cable	yes	yes	yes	yes
	RS232 cable	Optional	Optional	Optional	Optional
	Rail kit	Optional	Optional	Optional	Optional
	Tower Feet	yes	yes	yes	yes
	Rack ear	yes	yes	yes	yes
Manual	yes	yes	yes	yes	

Model name		TIGRA PLUS 2KRT-IoT	TIGRA PLUS 2K RT-IoT	TIGRA PLUS 3KRT-IoT	TIGRA PLUS 3K RT-IoT
Power rating	VA/Watt	2000VA/2000W	2000VA/2000W	3000VA/3000W	3000VA/3000W
Efficiency	Double conversion mode	93%	93%	93%	93%
	ECO mode	97%	97%	97%	97%
Input performance	Voltage range	160-300V 100% load, 110-160V derating to 50% load linearly	160-300V 100% load, 110-160V derating to 50% load linearly	160-300V 100% load, 110-160V derating to 50% load linearly	160-300V 100% load, 110-160V derating to 50% load linearly
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)
	PF	>0.99	>0.99	>0.99	>0.99
	THDI	<5%	<5%	<5%	<5%
Input connection		IEC C20	IEC C20	IEC C20	IEC C20
Output performance	Rated voltage	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)	200/208/220/230/240 VAC(derating 10% at 208V, derating 20% at 200V)
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Maximum PF	1	1	1	1
	Voltage accuracy	±1%	±1%	±1%	±1%
	THDv	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load
	Transfer time	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)	0ms(4ms @ line <-> bypass;10ms @ ECO <-> Inverter)
	Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload(line mode)	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 3 minutes 125<loads≤150% for 30 seconds. >150% for 500ms.	
Output connection	Wiring/socket	1 main outlet group (with 4 x IEC C13) and 1 programmable outlet group (with 4 x IEC C13)	1 main outlet group (with 4 x IEC C13) and 1 programmable outlet group (with 4 x IEC C13)	1 main outlet group (with 1 x IEC C19 + 4 x IEC C13) and 1 programmable outlet group (with 4 x IEC C13)	1 main outlet group (with 1 x IEC C19 + 4 x IEC C13) and 1 programmable outlet group (with 4 x IEC C13)
	Load segment control	Yes	Yes	Yes	Yes
Battery	Voltage	72V/48VDC	72VDC	72VDC	72VDC
	Capacity(AH)	6 x 12V/7Ah or 4 x 12V/9Ah	NA	6 x 12V/9Ah	NA
	Backup time Typical value by default battery capacity, PF=1	"3.3min 100% load 12.9min 50% load"	NA	"2.5min 100% load 9.3min 50% load"	NA
Maximum connect external battery module quantity		4	4	4	4
Charger	Charging current	1.5A	8A	1.5A	8A
	Recharging time	3h to 90%	NA	3h to 90%	NA

Model name		TIGRA PLUS 2KRT-IoT	TIGRA PLUS 2K RT-IoT	TIGRA PLUS 3KRT-IoT	TIGRA PLUS 3K RT-IoT
Other working mode	CVCF	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)
	Parallel	no	no	no	no
HMI(human-machine interface)	Display	Dot matrix LCD, rotatable manually(optional segment LCD)	Dot matrix LCD, rotatable manually(optional segment LCD)	Dot matrix LCD, rotatable manually(optional segment LCD)	Dot matrix LCD, rotatable manually(optional segment LCD)
	Language	10 Languages	10 Languages	10 Languages	10 Languages
	USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
	RS232	Yes(DB9)	Yes(DB9)	Yes(DB9)	Yes(DB9)
	Dry in/out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out
	EPO	yes	yes	yes	yes
	Intelignet slot	yes(for long card)	yes(for long card)	yes(for long card)	yes(for long card)
	Network card	Optional, NMC lng card	Optional, NMC lng card	Optional, NMC lng card	Optional, NMC lng card
	Modbus card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card
	Dry contactor card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card
	WLAN module	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type
	Ethernet port for IOT	RJ45	RJ45	RJ45	RJ45
	Monitor software	Winpower	Winpower	Winpower	Winpower
	Physical performance	Dimension(W*D*H)MM	438*600*86.5(2U)	438*600*86.5(2U)	438*600*86.5(2U)
IP protection level		IP20	IP20	IP20	IP20
Environment	Operating temperature	0-40°C	0-40°C	0-40°C	0-40°C
	Relative Humidity	0-95%	0-95%	0-95%	0-95%
	Operating Altitude	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)
	Acoustic Noise	< 50dB @ typical load with battery fully charged	< 50dB @ typical load with battery fully charged	< 50dB @ typical load with battery fully charged	< 50dB @ typical load with battery fully charged
Certification		CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040
EMI	Conduction/Radiation	C2	C2	C2	C2
EMS	ESD	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2
	RS	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4
	Surge	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5
Accessory	Maintenance bypass switch	NA	NA	NA	NA
	Input power cable	yes	yes	yes	yes
	Output power cable	yes,1*10A	yes,1*10A	yes,1*10A	yes,1*10A
	EBM cable	yes(in EBM)	yes(in EBM)	yes(in EBM)	yes(in EBM)
	USB cable	yes	yes	yes	yes
	RS232 cable	Optional	Optional	Optional	Optional
	Rail kit	Optional	Optional	Optional	Optional
	Tower Feet	yes	yes	yes	yes
	Rack ear	yes	yes	yes	yes
Manual	yes	yes	yes	yes	

Model name		TIGRA SUPREME 6K-RT-1oT	TIGRA SUPREME 6K-RT-1oT	TIGRA SUPREME 10K-RT-1oT	TIGRA SUPREME 10K-RT-1oT
Power rating	VA/Watt	6000VA/6000W	6000VA/6000W	10000VA/10000W	10000VA/10000W
Efficiency	Double conversion mode	95%	95%	95%	95%
	ECO mode	98%	98%	98%	98%
Input performance	Voltage range	160-275V 100% load, 110-160V derating to 50% load linearly	160-275V 100% load, 110-160V derating to 50% load linearly	160-275V 100% load, 110-160V derating to 50% load linearly	160-275V 100% load, 110-160V derating to 50% load linearly
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60%)
	PF	>0.995	>0.995	>0.995	>0.995
	THDI	<3% linear load <5% non linear load	<3% linear load <5% non linear load	<3% linear load <5% non linear load	<3% linear load <5% non linear load
Input connection		L/N/PE hardware terminal connection	L/N/PE hardware terminal connection	L/N/PE hardware terminal connection	L/N/PE hardware terminal connection
Output performance	Rated voltage	220/230/240V	220/230/240V	220/230/240V	220/230/240V
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Maximum PF	1	1	1	1
	Voltage accuracy	±1%	±1%	±1%	±1%
	THDv	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load
	Transfer time	0ms(10ms @ ECO->Inverter)	0ms(10ms @ ECO->Inverter)	0ms(10ms @ ECO->Inverter)	0ms(10ms @ ECO->Inverter)
	Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload(line mode)	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	
Output connection	Wiring/socket	L/N/PE hardware terminal connection	L/N/PE hardware terminal connection	L/N/PE hardware terminal connection	L/N/PE hardware terminal connection
	Load segment control	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)
Battery	Voltage	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)
	Capacity(AH)	16*12V/7Ah, 16~20pcs adjustable	NA	16*12V/9Ah, 16~20pcs adjustable	NA
	Backup time Typical value by default battery capacity, PF=1	"3.6min 100% load 9.6min 50% load"	NA	"2.1min 100% load 8min 50% load"	NA
Maximum connect external battery module quantity		6	6	6	6
Charger	Charging current	1.4A(0-4A adjustable)	4A(0-12A adjustable)	2A(0-4A adjustable)	4A(0-12A adjustable)
	Recharging time	3h to 90%	NA	3h to 90%	NA
Other working mode	CVCF	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)	Yes (derating to 60% load)
	Parallel	Optional (up to 3)	Optional (up to 3)	Optional (up to 3)	Optional (up to 3)



Model name		TIGRA SUPREME 6KRT-IoT	TIGRA SUPREME 6K RT-IoT	TIGRA SUPREME 10K RT-IoT	TIGRA SUPREME 10K RT-IoT
HMI(human-machine interface)	Display	Dot matrix LCD, rotatable manually	Dot matrix LCD, rotatable manually	Dot matrix LCD, rotatable manually	Dot matrix LCD, rotatable manually
	Language	10 Languages	10 Languages	10 Languages	10 Languages
	USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
	RS232	Yes(DB9)	Yes(DB9)	Yes(DB9)	Yes(DB9)
	Dry in/out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out
	EPO	yes	yes	yes	yes
	Intelligent slot	yes(for long card)	yes(for long card)	yes(for long card)	yes(for long card)
	Network card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card
	Modbus card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card
	Dry contactor card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card
	WLAN module	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type
	Ethernet port for IOT	RJ45	RJ45	RJ45	RJ45
	Monitor software	Winpower	Winpower	Winpower	Winpower
Physical performance	Dimension(W*D*H)MM	5U height including 438*573*86.2 (power module, 2U) 438*593*129 (Battery, 3U)	438*573*86.2 (power module, 2U)	5U height including 438*573*86.2 (power module, 2U) 438*593*129 (Battery, 3U)	438*573*86.2 (power module, 2U)
	IP protection level	IP20	IP20	IP20	IP20
Environment	Operating temperature	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)
	Relative Humidity	0-95%	0-95%	0-95%	0-95%
	Operating Altitude	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)
	Acoustic Noise	<50dB @ typical load with battery fully charged	<50dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged
Certification		CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040
EMI	Conduction/Radiation	C3	C3	C3	C3
EMS	ESD	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2
	RS	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4
	Surge	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5
Accessory	Maintenance bypass switch	Optional (built in 1 main outlet group with 1 x IEC C19 + 2 x IEC C13 and 1 programmable outlet group with 1 x IEC C19 + 2 x IEC C13)	Optional (built in 1 main outlet group with 1 x IEC C19 + 2 x IEC C13 and 1 programmable outlet group with 1 x IEC C19 + 2 x IEC C13)	Optional (built in 1 main outlet group with 1 x IEC C19 + 2 x IEC C13 and 1 programmable outlet group with 1 x IEC C19 + 2 x IEC C13)	Optional (built in 1 main outlet group with 1 x IEC C19 + 2 x IEC C13 and 1 programmable outlet group with 1 x IEC C19 + 2 x IEC C13)
	Input power cable	NA	NA	NA	NA
	Output power cable	NA	NA	NA	NA
	EBM cable	yes(in EBM)	yes(in EBM)	yes(in EBM)	yes(in EBM)
	USB cable	Yes	Yes	Yes	Yes
	RS232 cable	Optional	Optional	Optional	Optional
	Rail kit	Optional	Optional	Optional	Optional
	Tower Feet	Yes	Yes	Yes	Yes
	Rack ear	Yes	Yes	Yes	Yes
Manual	Yes	Yes	Yes	Yes	

Model name		TIGRA SUPREME 10K (3:1) RT-IoT	TIGRA SUPREME 10KS (3:1) RT-IoT	TIGRA PLUS 3310 (10K 3:3) RT-IoT	TIGRA PLUS 3310 (10KS 3:3) RT-IoT
Power rating	VA/Watt	10000VA/10000W	10000VA/10000W	10000VA/10000W	10000VA/10000W
Efficiency	Double conversion mode	95%	95%	95%	95%
	ECO mode	98%	98%	98%	98%
Input performance	Voltage range	160-275V 100% load, 110-160V derating to 50% load linearly	160-275V 100% load, 110-160V derating to 50% load linearly	160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly	160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)
	PF	>0.95 at 3 phase input >0.99 at 1 phase input	>0.95 at 3 phase input >0.99 at 1 phase input	>0.995	>0.995
	THDI	<30% at 3 phase input <5% at 1 phase input	<30% at 3 phase input <5% at 1 phase input	<3% linear load <5% non linear load	<3% linear load <5% non linear load
Input connection		L1/L2/L3/N/PE or L/N/ PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass
Output performance	Rated voltage	220/230/240V	220/230/240V	220/230/240V or 380/400/415V	220/230/240V or 380/400/415V
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Maximum PF	1	1	1	1
	Voltage accuracy	±1%	±1%	±1%	±1%
	THDv	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load
	Transfer time	0ms(10ms @ ECO->Inverter)	0ms(10ms @ ECO->Inverter)	0ms(2ms @ ECO+ ->Inverter)	0ms(2ms @ ECO+ ->Inverter)
	Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload(line mode)	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 30 seconds. >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 1 minutes >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 1 minutes >150% for 500ms.	
Output connection	Wiring/socket	L/N/PE hardware terminal connection	L/N/PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection
	Load segment control	No	No	Optional (need MBP model)	Optional (need MBP model)
Battery	Voltage	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)	192VDC (192~240VDC adjustable)
	Capacity(AH)	16*12V/9Ah, 16~20pcs adjustable	NA	2*8*12V/9Ah, 16~20pcs adjustable	NA
	Backup time Typical value by default battery capacity, PF=1	"2.1min 100% load 8min 50% load"	NA	"1.8min 100% load 4.5min 50% load"	NA
Maximum connect external battery module quantity		6	6	6	6
Charger	Charging current	2A(0-12A adjustable)	4A(0-12A adjustable)	2A(0-13A adjustable)	2A(0-13A adjustable)
	Recharging time	3h to 90%	NA	3h to 90%	NA

Model name		TIGRA SUPREME 10K (3:1) RT-IoT	TIGRA SUPREME 10K (3:1) RT-IoT	TIGRA PLUS 3310 (10K 3:3) RT-IoT	TIGRA PLUS 3310 (10K 3:3) RT-IoT
Other working mode	CVCF	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)
	Parallel	Optional (up to 3)	Optional (up to 3)	Optional (up to 3)	Optional (up to 3)
HMI(human-machine interface)	Display	Dot matrix LCD, rotatable manually	Dot matrix LCD, rotatable manually	colour touch LCD (optional) Dot matrix LCD	colour touch LCD (optional) Dot matrix LCD
	Language	10 Languages	10 Languages	10 Languages	10 Languages
	USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
	RS232	Yes(DB9)	Yes(DB9)	Yes(DB9)	Yes(DB9)
	Dry in/out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out
	EPO	yes	yes	yes	yes
	Intelignet slot	yes(for long card)	yes(for long card)	yes(for long card)	yes(for long card)
	Network card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card
	Modbus card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card
	Dry contactor card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card
	WLAN module	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type
	Ethernet port for IOT	RJ45	RJ45	RJ45	RJ45
	Monitor software	Winpower	Winpower	Winpower	Winpower
Physical performance	Dimension(W*D*H)MM	5U height including 438*573*86.2 (power module, 2U) 438*593*129 (Battery, 3U)	438*573*86.2 (power module, 2U)	6U height including 438*589*129 (power module, 3U) 438*593*129 (Battery, 3U)	438*589*129 (power module, 3U)
	IP protection level	IP20	IP20	IP20	IP20
Environment	Operating temperature	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)
	Relative Humidity	0-95%	0-95%	0-95%	0-95%
	Operating Altitude	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~3000m (the load derating 1 % every up 100m @1000~3000m)	0~4000m (the load derating 1 % every up 100m @1000~4000m)	0~4000m (the load derating 1 % every up 100m @1000~4000m)
	Acoustic Noise	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged
Certification	CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040	
EMI	Conduction/Radiation	C3	C3	C3	C3
EMS	ESD	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2
	RS	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4
	Surge	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5
Accessory	Maintenance bypass switch	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)
	Input power cable	NA	NA	NA	NA
	Output power cable	NA	NA	NA	NA
	EBM cable	yes(in EBM)	yes(in EBM)	yes(in EBM)	yes(in EBM)
	USB cable	Yes	Yes	Yes	Yes
	RS232 cable	Optional	Optional	Optional	Optional
	Rail kit	Optional	Optional	Optional	Optional
	Tower Feet	Yes	Yes	Yes	Yes
	Rack ear	Yes	Yes	Yes	Yes
Manual	Yes	Yes	Yes	Yes	

Model name		TIGRA PLUS 3315 (15K 3:3) RT-LoT	TIGRA PLUS 3315 (15K 3:3) RT-LoT	TIGRA PLUS 3320 (20K 3:3) RT-LoT	TIGRA PLUS 3320 (20K 3:3) RT-LoT
Power rating	VA/Watt	15000VA/15000W	15000VA/15000W	20000VA/20000W	20000VA/20000W
Efficiency	Double conversion mode	96%	96%	96%	96%
	ECO mode	98.8%	98.8%	98.8%	98.8%
Input performance	Voltage range	160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly	160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly	160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly	160-300V (273-520) 100% load, 100-160V (173-273) derating to 50% load linearly
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Frequency range	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)	40Hz-70Hz(45Hz-55Hz 54Hz-66Hz @ load>60% and 1 phase in 1 phase out)
	PF	>0.995	>0.995	>0.995	>0.995
	THDI	<3% linear load <5% non linear load	<3% linear load <5% non linear load	<3% linear load <5% non linear load	<3% linear load <5% non linear load
Input connection		L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection Dual input for line and bypass
Output performance	Rated voltage	220/230/240V or 380/400/415V	220/230/240V or 380/400/415V	220/230/240V or 380/400/415V	220/230/240V or 380/400/415V
	Rated frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
	Maximum PF	1	1	1	1
	Voltage accuracy	±1%	±1%	±1%	±1%
	THDv	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load	<1% linear load <5% non linear load
	Transfer time	0ms(2ms @ ECO+ -> Inverter)	0ms(2ms @ ECO+ -> Inverter)	0ms(2ms @ ECO+ -> Inverter)	0ms(2ms @ ECO+ -> Inverter)
	Crest Ratio	max 3:1	max 3:1	max 3:1	max 3:1
Overload(line mode)	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 1 minutes >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 1 minutes >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 1 minutes >150% for 500ms.	100%<load≤105% continuous. 105%< load ≤125% for 10 minutes 125<load≤150% for 1 minutes >150% for 500ms.	
Output connection	Wiring/socket	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection	L1/L2/L3/N/PE or L/N/ PE hardware terminal connection
	Load segment control	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)
Battery	Voltage	384VDC (384~480VDC adjustable)	384VDC (384~480VDC adjustable)	384VDC (384~480VDC adjustable)	384VDC (384~480VDC adjustable)
	Capacity(AH)	2*16*12V/7Ah, 32~40pcs adjustable	NA	2*16*12V/9Ah, 32~40pcs adjustable	NA
	Backup time Typical value by default battery capacity, PF=1	"2.0min 100% load 5.2min 50% load"	NA	"1.8min 100% load 4.7min 50% load"	NA
Maximum connect external battery module quantity		6	6	6	6
Charger	Charging current	1.4A(0-13A adjustable)	1.4A(0-13A adjustable)	2A(0-13A adjustable)	2A(0-13A adjustable)
	Recharging time	3h to 90%	NA	3h to 90%	NA

Model name		TIGRA PLUS 3315 (15K 3:3) RT-IO T	TIGRA PLUS 3315 (15K 3:3) RT-IO T	TIGRA PLUS 3320 (20K 3:3) RT-IO T	TIGRA PLUS 3320 (20K 3:3) RT-IO T
Other working mode	CVCF	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)	Yes (derating to 60% load @ 1 phase in and 1 phase out mode)
	Parallel	Optional (up to 3)	Optional (up to 3)	Optional (up to 3)	Optional (up to 3)
HMI(human-machine interface)	Display	colour touch LCD (optio- nal Dot matrix LCD)	colour touch LCD (optio- nal Dot matrix LCD)	colour touch LCD (optio- nal Dot matrix LCD)	colour touch LCD (optio- nal Dot matrix LCD)
	Language	10 Languages	10 Languages	10 Languages	10 Languages
	USB	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID	USB 2.0 with HID
	RS232	Yes(DB9)	Yes(DB9)	Yes(DB9)	Yes(DB9)
	Dry in/out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out	1 programmable dry in; 1 programmable dry out
	EPO	yes	yes	yes	yes
	Intelligent slot	yes(for long card)	yes(for long card)	yes(for long card)	yes(for long card)
	Network card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card	Optional, NMC long card
	Modbus card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card	Optional,CMC/Modbus Long Card
	Dry contactor card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card	Optional,AS400 Long Card
	WLAN module	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type	Optional,HDMI type
	Ethernet port for IOT	RJ45	RJ45	RJ45	RJ45
	Monitor software	Winpower	Winpower	Winpower	Winpower
Physical performance	Dimension(W*D*H)MM	9U height including 438*589*129 (power module, 3U) (438*593*129)*2 (Battery, 6U)	438*589*129 (power module, 3U)	9U height including 438*589*129 (power module, 3U) (438*593*129)*2 (Battery, 6U)	438*589*129 (power module, 3U)
	IP protection level	IP20	IP20	IP20	IP20
Environment	Operating temperature	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)	0-50°C(power derating to 50% @40-50°C)
	Relative Humidity	0-95%	0-95%	0-95%	0-95%
	Operating Altitude	0~4000m (the load derating 1 % every up 100m @1000~4000m)	0~4000m (the load derating 1 % every up 100m @1000~4000m)	0~4000m (the load derating 1 % every up 100m @1000~4000m)	0~4000m (the load derating 1 % every up 100m @1000~4000m)
	Acoustic Noise	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged	<55dB @ typical load with battery fully charged
Certification		CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040	CE,IEC/EN 62040
EMI	Conduction/Radiation	C3	C3	C3	C3
EMS	ESD	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2	IEC/EN 61000-4-2
	RS	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3	IEC/EN 61000-4-3
	EFT	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4	IEC/EN 61000-4-4
	Surge	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5	IEC/EN 61000-4-5
Accessory	Maintenance bypass switch	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)	Optional (need MBP model)
	Input power cable	NA	NA	NA	NA
	Output power cable	NA	NA	NA	NA
	EBM cable	yes(in EBM)	yes(in EBM)	yes(in EBM)	yes(in EBM)
	USB cable	Yes	Yes	Yes	Yes
	RS232 cable	Optional	Optional	Optional	Optional
	Rail kit	Optional	Optional	Optional	Optional
	Tower Feet	Yes	Yes	Yes	Yes
Rackear	Yes	Yes	Yes	Yes	
Manual	Yes	Yes	Yes	Yes	

# Notes

A series of horizontal dotted lines for writing notes.



# LEXIS®

ΠΛΗΡΟΦΟΡΙΚΗ Α.Ε.



[www.lexis.gr](http://www.lexis.gr)

ΑΘΗΝΑ

ΘΕΣΣΑΛΟΝΙΚΗ

---

T: 210-6777007

T: 2310-329350-1

E: [lexis@lexis.gr](mailto:lexis@lexis.gr)

E: [thes@lexis.gr](mailto:thes@lexis.gr)