- Feed-in to the Grid
- Up to 15kW Gen/AC coupling input
- 2 MPPT with 4 strings, Max. 24kW PV input
- Separate Generator Port Available
- Dual AC Output Port
- Max. charging and discharging current: 250A
- Integrated Design with Load and Battery Breaker
- Touch Screen
- Parallel Operations up to 16 Units



NOVA 12.6KW



MODEL NAME	NOVA-12.6KW
Rated Power	**12600VA/12600W**
INPUT (PV DC)	
Max. PV array power (W)	24000 (12000/12000)
Rated PV input voltage (V)	320
Number of independent MPPT inputs	2/(2:2)
PV input voltage range (V)	100-480
MPPT voltage range (V)	120-440
Start-up voltage (V)	100
Max. PV input current per MPPT (A)	35/35
Max. PV short-circuit current input per MPPT (A)	44/44
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage (V)	48/51.2
Battery voltage range (V)	46.4-60/38.4-60
Max. charging / discharging current (A)	250
Max. charging / discharging power (W)	12600
Force wake up battery from PV and Grid function	YES
Grid	
Rated AC voltage (V)	230
Acceptable Input Voltage Range (V)	90~280
Rated AC frequency (Hz)	60/50
Rated AC intput current (A)	100
Rated AC intput power (W)	24000
PF	0.99
THDI	<5%
Max. continuous AC passthrough current(A)	100
UPS	
Rated output power (W)	12600
Rated output voltage (V)	230
Rated output current (A)	50
Rated output frequency (Hz)	50/60
Surge power, duration	2Pn, 5s
Switching time (UPS)	<7ms@Single; <10ms@Parallel
Wave form	Sine wave
THDV	3%
GEN	
Acceptable input voltage range	230
Max. AC input voltage (V)	280
Max. AC input current (A)	63
Rated input frequency	50Hz/60Hz (Auto detection)
Transfer time	<10ms@Single; <20ms@Parallel
THDV	<3%
Overload protection	5s@?150% load /10s@110%~150% load
Efficiency	
Max. efficiency	93.50%
Max. charging / discharging efficiency	93.00%
Max. MPPT efficiency	99.00%
Protection	
PV reverse polarity protection(Y/N)	YES
Over current / voltage protection(Y/N)	YES
AC Short-circuit current protection(Y/N)	YES
Grid monitoring(Y/N)	YES
DC switch(Y/N)	YES
DC / AC Surge protection Type lll	Type lll
Battery reverse polarity protection(Y/N)	YES
General	
Dimensions, D*W*H (mm)	150*530*830
Weight (Kgs)	40