

# +Nova Modular 3-in-1 Inverter/Rectifier/Solar Charger



- Modular scalable design up to 8 units
- Power factor 1
- 3-in-1: inverter, AC/DC charger or solar charger
- Hot-swappable design simplifies installation and maintenance
- Automatic load sharing on AC output
- High efficiency
- Overload and short circuit protection

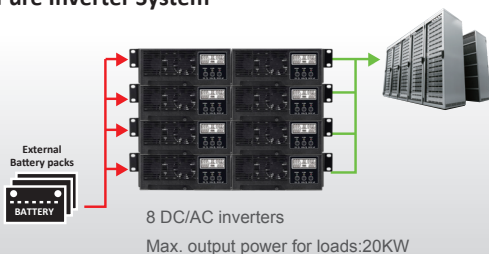
INVERTER/CHARGER

+Nova is a compact and scalable power module supporting up to 20KW power. The modules can be set as DC/AC inverter, AC/DC or DC/DC charger respectively, and consolidated to form a multifunctional operation system for diverse power requirement.

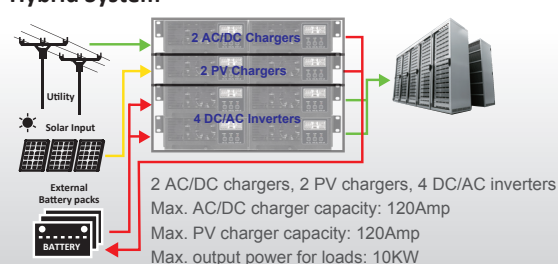
+Nova is designed with hot-swappable inverter/charger module which ensures low MTTR, reduction in service cost and meets future expansion demands.

## Multiple Applications:

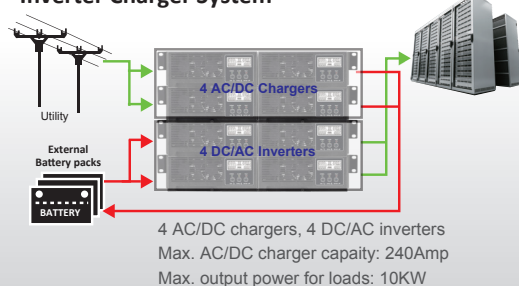
### Pure Inverter System



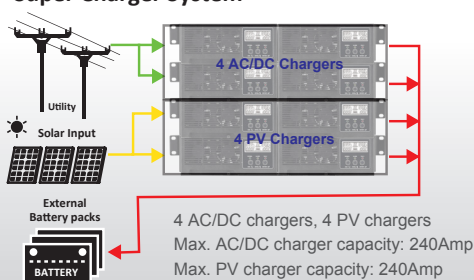
### Hybrid System



### Inverter Charger System



### Super Charger System



## +Nova Modular Inverter/Rectifier/Solar Charger Specification

<b>MODEL</b>	<b>+Nova</b>
<b>CAPACITY</b>	2500VA/2500W
<b>SET AS DC/AC INVERTER</b>	
<b>DC INPUT</b>	
Nominal DC Voltage	48VDC
Operating Voltage Range	40VDC ~ 60VDC
Voltage Ripple	≤ 2.0mV
Peak to Peak Noise	150mV up to 100MHz
Inrush Current	< 2 x Irated
<b>AC OUTPUT</b>	
Nominal Voltage	220/230/240 VAC (selectable)
AC Voltage Regulation	± 2% (max.)
Frequency Range	50Hz ± 0.1Hz
Peak Efficiency	> 93%
Harmonic Distortion	< 3% THD (Linear Load) < 5% THD (Non-linear Load)
Overload Capability	> 150% for 5 secs, >110% for 10 secs
Load Sharing	<5% at 50-100% load
<b>SET AS AC/DC CHARGER</b>	
<b>AC INPUT</b>	
Nominal Voltage	230 VAC
Operating Voltage Range	185 VAC ~ 265 VAC
Frequency Range	50Hz/60Hz (Auto sensing)
<b>DC OUTPUT</b>	
Nominal Voltage	54 VDC
Max. Charging Current	60A
Charging Method	3-step algorithm
<b>SET AS DC/DC (PV) CHARGER</b>	
<b>PV INPUT</b>	
Maximum Open Circuit Voltage	320 VDC
MPPT Voltage Range	160 VDC ~ 320 VDC
Maximum Charging Current	60A
<b>DC OUTPUT</b>	
Nominal Voltage	54 VDC
Max. Charging Current	60A
Charging Method	3-step algorithm
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	409 x 215 x 88
Net Weight (kgs)	6
<b>ENVIRONMENT</b>	
Humidity	5% ~ 95% RH (Non-Condensing)
Operating Temperature	-20°C to 60°C
Safety	IEC60950
Noise Level	Less than 50dB @ 1 Meter

Product specifications are subject to change without further notice.