



利佳興業股份有限公司  
RICH ELECTRIC CO.,LTD.

# 3 in 1 COMBINED PURE SINE WAVE INVERTER UPS / BATTERY CHARGER (SOLAR & SHORE)



**RICH**  
ELECTRIC

## Specifications

MODEL	DAI-1500C-12xx DAI-1500C-24xx	DAI-3000C-12xx DAI-3000C-24xx
<b>1. Inverter Section</b>		
Nominal battery voltage	12V / 24V	12V / 24V
Input voltage range	9.5-16V / 19-32V	9.5-16V / 19-32V
Output voltage	200~240Vac / 100~120Vac	
Output frequency	50Hz / 60Hz	
Total Harmonic Distortion output THD	< 2%	
Dynamic behavior 0→100%	0.5 ms	
Nominal power (W)	1500W	3000W
Maximum power 30 min (W)	1700W	3500W
Maximum power 3 min (W)	2300W	4500W
Maximum power 5 sec (W)	3000W	6000W
Maximum load	Up to short circuit	
Asymmetrical load max.	Up to nominal output power	
Overload and short circuit protection	Automatic disconnection with 5 time restart attempt	
Overheating temperature protection	Acoustic warning before shut-off. Automatic restart	
Power factor range	0.1-1	
Power saving function	(disable / enable)	
Maximum efficiency	85-90%	
<b>2. Battery Charger Section</b>		
Maximum input voltage	265 Vac, 350 V peak	
Minimum input voltage	Adjustable 150-230Vac	
Input Frequency range	45~63Hz	
Charging current adjustable	0-50A / 0-35A	100A / 0-70A
Setting of AC INPUT current POWER SHARING	0 to 15A	
<b>3. Solar Charge Regulator-Floating</b>		
Maximum Poen Circuit Voltage	25V	45V
Maximum charging current	30A	30A
<b>4. Battery Charge Montitoring (25°C)</b>		
*Low battery disconnection voltage	10.8V / 21.6V	
*Low voltage	10.8V~12.0V (11.6V) / 21.6V~24.0V (23.2V)	
*End of charge cycle voltage	14.2V~15.0V (14.4V) / 28.4V~30.0V (28.8V)	
*Equalization voltage every 25 cycles	15.1V~15.5V (15.3V) / 30.2V~31.8V (30.6V)	
*Floating voltage	13.3V~13.7V (13.5V) / 26.6V~27.4V (27.0V)	
*Absorption charge time	0~4h (2h)	
Temperature compensation (Option)	3mV / °C cell	
<b>5. General date</b>		
AC By pass time (UPS-Mode)	20ms max	
Potential free Multifunction contact	5A-250Vac / 7A-60V dc x 2	
Max Current at Transfer relay	30A / AC 220V	60A / AC220V
Operating temperature	-20°Cto +55°C	
Fan forced ventilation	From 45°C / over 75°C will be trip	
Protection index IP	IP20	
Weight	19.7kg	28kg
Dimension H*W*L (mm)	350x285x185	510x285x185

Remark : \* ( ) Factory settings