

Portable
ALL-IN-ONE
Energy Storage

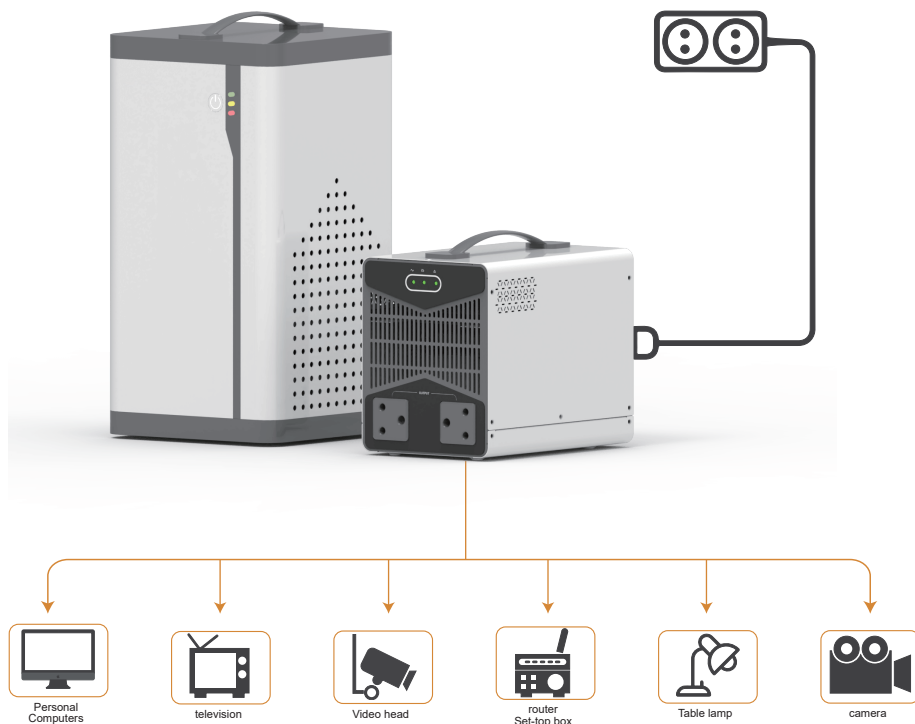
Arcadia – Resi range



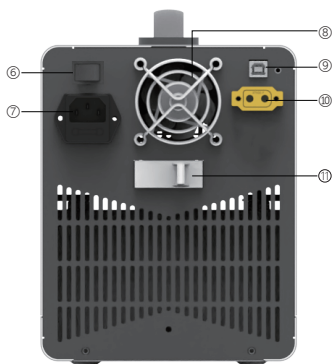
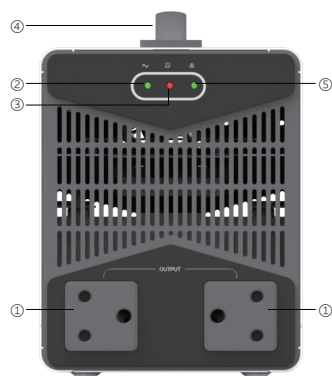
FEATURES

- ◆ Plug & Play ;
- ◆ Reliable pure sine wave output ;
- ◆ Seamless power backup
(up to 10ms transfer time) ;
- ◆ 2500 cycles' long life LiFePO4 battery
- ◆ Built-in BMS protection;
- ◆ Quickly recharge with powerful charger;
- ◆ Expandable battery packs as options ;

DESIGNED FOR 7X24H APPLICATION,
STAY AWAY FROM BLACKOUT

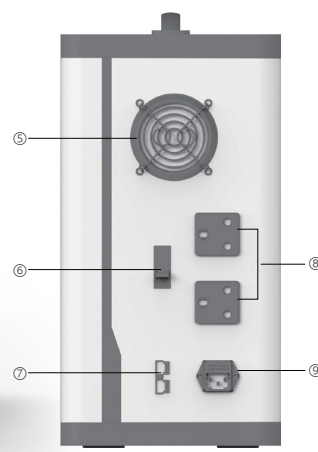
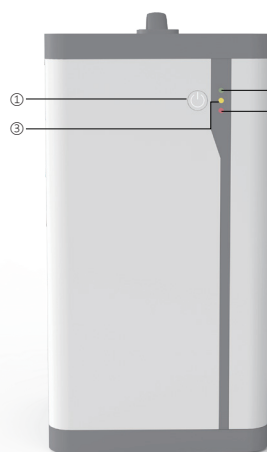


Front and rear panel view



- ①---AC output socket
- ②---AC mode indicator
- ③---Battery mode indicator
- ④--- Handle
- ⑤---Alarm or fault mode indicator
- ⑥---Power on/off switch

- ⑦---AC input socket(C14)
- ⑧--- Cooling Fan
- ⑨---USB communication interface
- ⑩---External battery interface
- ⑪---Battery switch



- ①---Power on/off switch
- ②---AC mode indicator
- ③---Output status indication
- ④---Alarm or fault mode indicator
- ⑤---Cooling Fan
- ⑥---Battery switch

- ⑦---External battery interface
- ⑧---AC output socket
- ⑨---AC input socket(C14)

Configurable runtime
with
external battery packs



MODEL		Arcadia 300-Resi	Arcadia 1000 -Resi
INPUT	Input Sources	L+N+PE	
	Rated Input Voltage	220/230/240VAC	
	Voltage Range	185-264VAC $\pm$ 3V	
	Frequency	50Hz/60Hz(Auto Adaptive)	
OUTPUT	Rated Capacity	300VA/300W	1000VA/1000W
	Output Voltage	220/230/240VAC $\pm$ 5%	
	Output Frequency	50/60Hz $\pm$ 0.1%	
	Waveform	Pure Sine Wave	
	Transfer Time (adjustable)	10ms typical	
	Peak Power	500VA	2000VA
	Output Outlets	Types optional x 2	
	Over Load Ability (Battery Mode)	10min@110%~120% Load 1mins@120%~150% Load 2s@150%~200% Load 200ms@>200% Load	1min@102%~110% Load 10s@110%~130% Load 3s@130%~150% Load 200ms@>150% Load
	Over Load Ability (Bypass Mode)	Software protection: >8A(200ms) Hardware protection: 10A(breaker)	
	Peak Efficiency (battery Mode)	90%	92%
BATTERY	Battery Voltage	12.8Vdc	25.6Vdc
	Capacity	50Ah 640Wh	50Ah 1280Wh
	Charging Voltage	14.4(3.6*4)Vdc	28.8(3.6*8)Vdc
	High Voltage	14.8 (3.7*4)Vdc	29.6 (3.7*8)Vdc
	EOD	10.6 (2.65*4)	21.2 (2.65*8)
	PowerON Voltage	$\geq$ 11.2 (2.8*4)	$\geq$ 22.4 (2.8*8)
CHARGERS	Voltage Range	110-280VAC	110-280VAC
	MAX Input Power	240W	500W
	MAX Charging Current	20A	20A
PROTECT	Over temperature protection, short circuit protection, overload protection		
DISPLAY	LED Display	Display AC Mode / Battery Mode / Alarm&Fault	
COMMUNICATION	INTERFACE	USB-B, Baud Rate2400	
ENVIRONMENTS	Operating Temperature	0~40℃	
	Humidity	20%-95%(Non-condensing)	
	Storage Temperature	-15-60℃	
	Altitude	Altitude Not Over 1000m,Derating over 1000m,Max 4000m, Refer to IEC62040	
	Noises	$\leq$ 45db	
SPECIFICATIONS	Dimension(net), D * W * H (mm)	250*345*310	255*485*490
	Net Weighe(kg)	9.2	20
	Gross Weight(kg)	10.1	22

Expandable battery packs

MODEL	Resi 300-BP	Resi 1000-BP
Energy	640Wh	1280Wh
Nominal Voltage	12.8V	25.6V
Capacity	50Ah	50Ah
Built-in Charger	N/A	500W
Net Weight	8	14.8
Dimension, D * W * H (mm)	250*345*310	255*485*490
Accessory	DC connect cable	
Compliance Safety	MSDS ,UN38.3 ,IEC62619	

Note: Eod internal resistance compensation: calculated as 10mΩ