



POWER BANK

Catalogue

AU300-1G-PB
AU500-1G-PB
AU1000-1G-PB
AU3000-1G-PB

-AUSTA SOLAR-

INTRODUCTION

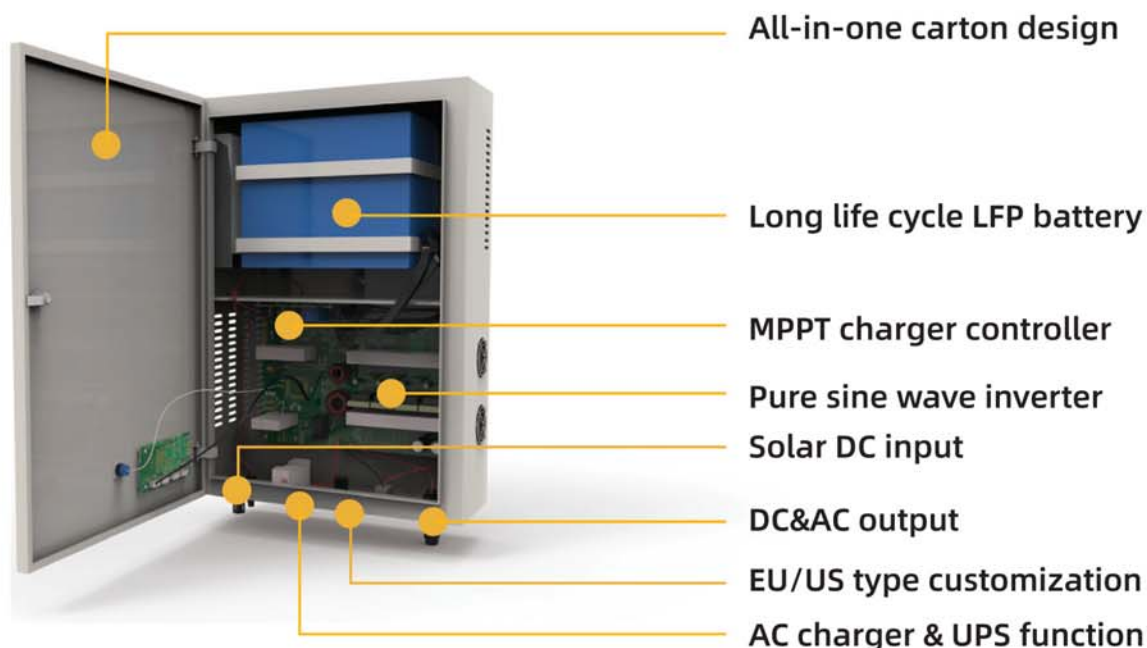
The power bank is a complete off-grid solution that contains all the components of a solar power system. The design is very simple and allows the user to quickly build a solar power system with a power range from 300W to 3000W.

In this enclosure, there is a charger controller, a lithium-ion battery, an inverter, and a core control circuit board. But what you see from outside is just the interface device that gets the power from the solar panel and the power outlet.

It can run TVs, computers, lights, fans, and any other facility within its operating range. The unit can power loads ranged from 300w to 3000W and has powerful battery storage. It is equipped with temperature control, short circuit protection and overload protection, so you won't have the trouble of losing power to the load due to wrong operation.

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FEATURES



TECHNICAL SPECIFICATION

Model	AU300-1G-PB	AU500-1G-PB	AU1000-1G- PB	AU3000-1G-PB-2	AU3000-1G-PB-3
Input Side					
Solar panels	Pmax 300w	Pmax 300w	Pmax 500w	Pmax 1000w	Pmax 1000w
Min. PV Input Voltage	35V	35V	35V	35V	35V
Max. PV Input Voltage	60V	60V	60V	60V	100V
Connection Type	MC4 Type	MC4 Type	MC4 Type	MC4 Type	MC4 Type
Output Side					
AC Output Voltage	110/120/230Vac	110V/120/230Vac	110/120/230Vac	110/120/230Vac	110/120/230Vac
AC Output Power	300W	500W	1000W	3000W	3000W
Surge Power	1200W	2000W	4000W	12000W	12000W
Output Frequency	50/60HZ	50/60HZ	50/60HZ	50/60HZ	50/60HZ
DC Output Voltage	12/24V（optional） Cigarette Lighter Socket				
Efficiency					
Max.Efficiency	Peak Efficiency>90%				
General Data					
Battery type	LFP battery	LFP battery	LFP battery	LFP battery	LFP battery
Battery Capatity	1Pack(1Kwh)	1Pack(1Kwh)	2Packs(2Kwh)	2Packs(2Kwh)	3Packs(3Kwh)
Box Size(mm)	580*400*180mm	580*400*180mm	580*400*180mm	580*400*180mm	860*620* 210mm
Panel size(mm)	1230*668*30mm	1230*668*30mm	1230*668*30mm	1230*668*30mm	1230*668*30mm
Box G.W./ N.W.	23.5/18.5kgs	23.5/18.5kgs	35/30kgs	35/30kgs	55/50kgs
Panel G.W./ N.W.	18.4/17.2kgs	18.4/17.2kgs	36.8/34.4kgs	36.8/34.4kgs	36.8/34.4kgs
Box Qty per 20ft/40ft/40HQ in pallet	360/720/880pcs	360/720/880pcs	360/720/880pcs	280/560/640pcs	280/560/640pcs
Box Qty per 20ft/40ft/40HQ in bulk	400/800/960pcs	400/800/960pcs	400/800/960pcs	280/560/640pcs	280/560/640pcs
Set(Box+panel) Qty per 20ft/40ft/40HQ in pallet	180/360/440sets	180/360/440sets	120/240/300sets	100/200/240sets	100/200/240sets
Set(Box+panel) Qty per 20ft/40ft/40HQ in bulk	200/400/480sets	280/400/480sets	160/320/400sets	120/240/280sets	120/240/280sets
Features					
Character	All-in-one carton of built-in inverter, battery and charger controller				
Charge Controller Type	MPPT/PWM(optional)				
Inverter Type	PSW/MSW(optional)				
Protection	Overload/shorted/temperature protection				
Standby Consumption	<2W				
Operating Temperature	0 to +50°C				
Material	Coated Mild Steel				
Warranty	2 years				
Certificates&Standards					
Approvals	IEC, CE,ROHS,MSDS, UN38.3				

APPLICATION

Item No.	AU300-1G-PB		AU500-1G-PB		AU1000-1G-PB		AU3000-1G-PB-2		AU3000-1G-PB-3	
Security lighting	5*20w	10hrs+	5*20w	10hrs+	5*20w	20hrs+	10*20w		10*20w	10hrs+
Classroom Pack	4 x Laptop 50w each 1 x internet router 50w 1 x printer 20w 2 x LED lights 7w each	4hrs+	4 x Laptop 50w each 1 x internet router 50w 1x printer 20w 2 x LED lights 7w each	6hrs+	4 x Laptop 50w each 1 x internet router 50w 1x printer 20w 2 x LED lights 7w each	12hrs+	4 x Laptop 50w each 1 x internet router 50w 1x printer 20w 2 x LED lights 7w each	12hrs+	4 x Laptop 50w each 1 x internet router 50w 1 x printer 20w 2 x LED lights 7w each 1 x 1.5P Air conditioner	16hrs+
Home Pack	1 x TV 40w 1 x table fan 10w 2 x LED lights 10w each 1 x water cooler 70w 1 x phone charger	10hrs+	1 x TV 40w 1 x table fan 10w 2 x LED lights 10w each 1 x water cooler 70w 1 x phone charger	10hrs+	1 x TV 40w 1 x table fan 10w 2 x LED lights 10w each 1 x water cooler 70w 1 x phone charger	20hrs+	1 x TV 40w 1 x table fan 10w 2 x LED lights 10w each 1 x water cooler 70w 1 x phone charger	20hrs+	1 x TV 40w 1 x table fan 10w 2 x LED lights 10w each 1 x water cooler 70w 1 x phone charger 1 x 1.5P Air conditioner	24hrs+

SYSTEM DIAGRAM



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USAGE SCENARIOS



Caravans



Residential house



Yacht



Moveable house

CUSTOMER FEEDBACK



"The package is great. they made the everything simple, effective and compelling. Price was is lower than most in market, installation completed in half a day,final performance impressive! Save money and help the environment. I would like recommend all guys the great power bank."

---Arturo Ramos From San José, SanJosé 1214,
Costa Rica



"Absolutely the BEST experiences ever! It is amazing, we had a very headache power shortage problem and their engineer was able to fix the issue the same day. I have used him multiple times and highly recommend him!"

---Wai Yan Paing From Kabar Aye Pagoda Rd,
Yangon, Myanmar