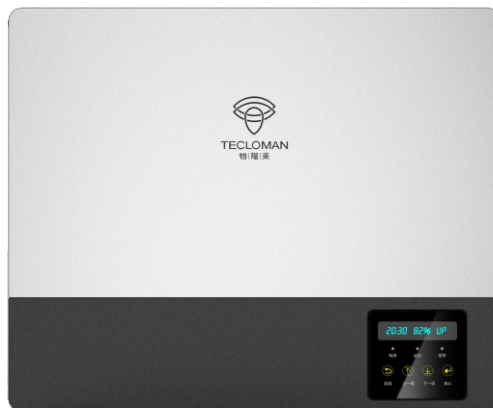




TECLOMAN



Household Hybrid Inverter



Product Features

- Compatible with lithium battery and lead acid battery.
- An EPS working mode, when the power grid shut down the system can response to provide the electricity in 10 ms automatically.
- Advanced design of natural heating dispatch without noises.
- CAN, RS485, Wifi and GPRS communication available.
- Outdoor waterproof of Ip65.
- Data monitoring via APP.
- Maximized use of solar energy with two advanced MPPT lines .
- Multiple protection to ensure the safety and reliability.



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Product parameter

AC Output	3k Hybrid	4.6k/5k Hybrid
Max. AC Output Apparent Power	3000VA	4600VA / 5000VA
Max. AC Output Current	15A	25A
Nominal AC Voltage (Range)	230 (180~270) V.a.c	
Nominal AC Frequency (Range)	50/60 (45~55/55~65) Hz	
Power Factor	Adjustable from 0.8 leading to 0.8 lagging	
ITHD (@Nominal Output)	<3%	
PV Input		
Max. DC Input Power	6600W	8000W
Nominal DC Input Voltage (Range)	360V.d.c (100~550) V.d.c	
MPPT Voltage Range	120~500V.d.c	
Start-up Voltage	140V.d.c	
MPPT Number	2	
Max. DC Input Current	12.5A/12.5A	
Max. Short-circuit Current	13.7A/13.7A	
Max. Input Power per MPPT	3600W/3600W	4000W/4000W
Battery Output		
Compatible Battery Type	Lithium-ion	
Nominal Battery Voltage (Range)	48 (40~60) V.d.c	
Max. Charge/Discharge Current	66A/66A	
Charging/Discharging Strategy	Self-adaption to BMS	
EPS Output-with Battery		
EPS Max. Output Power without Solar	3600VA	
EPS Max. Output Power with Solar	5000VA	
EPS Nominal Output Voltage	230V.d.c \pm 2%	
EPS Nominal Output Frequency	50Hz/60Hz \pm 0.2%	
EPS Nominal Output Current	13A	
Peak Power	4500W,30s	
UTHD	<5%	
Switching Time	<0.01s	
Efficiency		
Max. Efficiency	97.5%	
Battery Charge/Discharge Efficiency	94.5%	
General Data		
Dimensions(W/H/D)	451/469(551)/184 mm	
Weight	20kg	
Topology	Transformerless(sola),HF(Battery)	
Cooling Concept	Natural Convection	
Relatively Humidity	0-100%	
Operating Temperature Range	-25~60°C	
Altitude	<2000m	
Noise Emission	<25dB	
Standby Consumption	<5W	
Display & Communication Interface	LCD,LED,RS485,Wi-Fi,CAN	
Ingress Protect Degree	IP65/Nem4X	
Certification & Approvals	AS4777, VDE-AR-N4105, VDE0126, G83, G59, IEC62109-1-2, IEC62040, EN61000-6-1, EN61000-6-2, EN61000-6-3	

