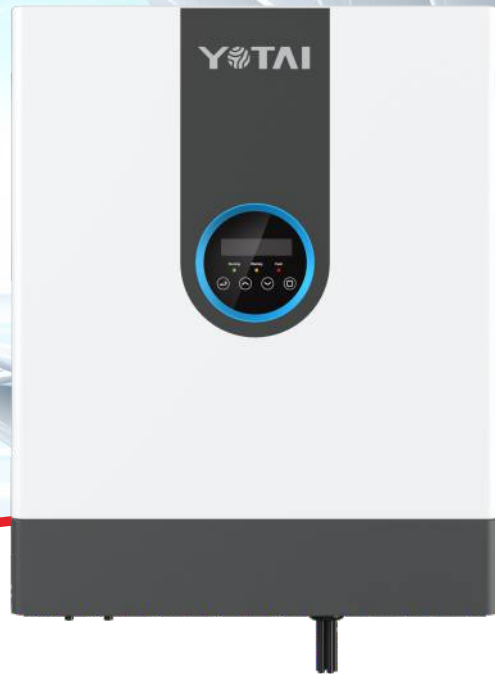


## Residential ESS Series

### Low-voltage Single-phase Inverter



#### Features

- Single phase/Unbalanced 3-Phase
- Support up to 10pcs in parallel
- Intelligent charge features
  - Weather forecast compensation
  - Update electricity price automatically
  - Economize charging/discharging schedule automatically
- Unique monitoring platform
  - Free APPs on smartphone (Android/iOS) & PC (Web)
- Integrated UPS module
  - On/off grid seamless switching under 20ms
- Wide battery compatible list
- Plug & Play (AC and PV port)



## Technical Parameters

INPUT (PV DC)	YT-P3000SL3-EU	YT-P3600SL3-EU	YT-P4000SL3-EU	YT-P4600SL3-EU	YT-P5000SL3-EU	YT-P6000SL3-EU
Max. PV array power(W)	6600	7000	7000	8000	8000	8000
Rated PV input voltage(V)	360					
Number of independent MPPT inputs	2					
PV input voltage range(V)	100~550					
MPPT voltage range(V)	120~500					
Start-up voltage(V)	140					
Max. PV input current per MPPT(A)	13					
Max. PV short-circuit current input per MPPT(A)	20					
<b>Battery</b>						
Compatible battery type	Lithium-ion/Lead-Acid					
Rated battery voltage(V)	48					
Battery voltage range(V)	48-60					
Max. charging voltage(V)	60					
Max. charging/discharging current(A)	66			80		
Max. charging/discharging power(W)	3600			4000		
Force wake up battery from PV function	YES					
<b>Grid</b>						
Rated AC voltage(V)	230					
Rated AC frequency(HZ)	50/60					
Rated AC output current(A)	13	15.6	17.4	20	21.7	26
Rated AC output power(W)	3000	3600	4000	4600	5000	6000
Max. AC input current(A)	31.3	31.3	31.3	34.7	34.7	34.7
Max. AC input power(W)	7200			8000		
PF	0.99(Adjustable from 0.8 leading to 0.8 lagging)					
THDI	<3%					
Rated AC current of BYPASS relays (A)	40					
<b>UPS</b>						
Rated output power with Solar(W)	3000	3600	4000	4600	5000	6000
Rated output power without Solar(W)	3000	3600	4000	4000	4000	4000
Rated output voltage(V)	230					
Rated output current(A)	13	15.6	17.4	17.4	17.4	17.4
Rated output frequency(Hz)	50/60					
Surge power, duration	4500W, 30S					
Switching time(UPS)	20ms					
Wave form	Sine wave					
THDV	<5%					
<b>Efficiency</b>						
Max. MPPT efficiency	99.0%					
Max. efficiency	97.3%					
EU efficiency	97.0%					
Max. charging efficiency	94.5%					
Max. discharging efficiency	94.5%					
<b>Protection</b>						
Over current/voltage protection	YES					
Anti-islanding protection	YES					
AC Short-circuit current protection	YES					
Leakage current protection	YES					
Ground fault monitoring	YES					
Grid monitoring	YES					
DC switch	YES					
DC surge protection Type III	YES					
AC surge protection Type III	YES					
<b>General</b>						
Dimensions(W*D*H)	455*181*565mm/17.9*7.1*22.2inch					
Weight	20kg/44.1lbs					
Ingress protection rating	IP65					
Operating environment temperature range	-25~60°C					
Storage temperature range	-40~65°C					
Relative humidity	0-95%					
Display & Communication interface	LCD, RS485/Wi-Fi/CAN					
Warranty	5 years					
Cooling method	Natural					
Topology	Transformer-Less					
Attitude	2000m					
Noise emission(typical)	<25dB					
<b>Standards &amp; Certification</b>						
IEC 62109-1/2, IEC 62040, IEC 62477, EN 61000, IEC 60068, EN 62920, AS4777.2, NRS 097, EN 50549, RD1699, RD413, RD647, UNE 217001, NTS TYPE A, CEIO-21, CEIO-16, VDE-AR-N 4105, UTE C15-712-1/XP C15-712-3/VFR 2019, G98, G99						

■ Product continues to iterate, specifications may be updated without prior notice.

VN: V1.0