

# Technical Specifications

Model	Uhome- INVT-3P-4kW	Uhome- INVT-3P-5kW	Uhome- INVT-3P-6kW	Uhome- INVT-3P-8kW	Uhome- INVT-3P-10kW	Uhome- INVT-3P-12kW
<b>Input (DC)</b>						
Max DC power	6000W	7500W	9000W	12000W	15000W	15000W
Max DC voltage	1000 Vd.c.					
MPPT voltage range	200...850 Vd.c.					
Max input current/per string	13Ax2					
Number of MPPT trackers	2					
Number of input string	2					
<b>Battery Input</b>						
Battery Type	Li-Lon					
Battery voltage range	130-700V					
Max charge/dis charge current	25/25A					
Charge strategy for Li-thium Battery	Self-adaption to BMS					
<b>Output(AC)</b>						
AC nominal power	4000VA	5000VA	6000VA	8000VA	10000VA	12000VA
Max AC apparent power( AC Output)	5000VA	5500VA	7000VA	8800VA	11000VA	13200VA
Max output current	8A	10A	12A	15A	17A	20A
Nominal AC output	50/60HZ; 400/350					
AC output range	45/55HZ; 280-490 Vac(Adj)					
Power factor	0.8 leading...0.8laging					
Harmonics	< 3%					
Grid type	3W/N/PE					
Three-phase unbalance output	0~100%					0~80%
<b>AC Output(Back-up)</b>						
Max AC apparent power(Back-up AC)	4000VA	5000VA	6000VA	8000VA	10000VA	10000VA
Nominal Output Voltage	400/380V					
Nominal Output Frequency	50/60HZ					
Output THDV (@Linear Load)	< 3%					
<b>Efficiency</b>						
Max conversion efficiency	98.0%	98.0%	98.2%	98.2%	98.2%	98.2%
European efficiency	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
Max battery to AC Efficiency	97.2%	97.2%	97.4%	97.4%	97.4%	97.4%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%
<b>Safety and Protection</b>						
DC reverse-polarity protection	yes					
DC breaker	yes					
DC/AC SPD	yes					
Leakage current protection	yes					
Insulation impedance Detection	yes					
Residual current protection	yes					
Output short circuit protection	yes					
Battery reverse connection protection	yes					
<b>General Parameters</b>						
Dimension (L × W ×H)	650*360*280mm					
Weight	29kg					
Operating temperature range °C	-25°C...+60°C					
Degree of protection	IP54					
Cooling concept	Natural convection					
Topology	Transformerless					
Display	LCD					
Humidity	0-95%,no condensation					
Communication	Standard WiFi;GPRS/LAN(optional)					
Warranty	Standard 5 years; 7/10 years optional					
BMS communication	CAN/RS485					
Meter communication	RS485					
<b>Certificates and Approvals</b>						
CQC, VDE-AR-N4105, IEC61727, IEC62116, VDE0124-AR-N0124, EN50549, IEC62109, IEC62477						
<p><b>The range of output voltage and frequency may vary depending upon different grid codes. Specifications are subject to change without advance notice.</b></p>						