

## TECHNICAL DATA

MODEL		ITD D3-0805X	ITD D3-1005X	ITD D3-1205X
PV Input	Max. DC Input Power(W)	10400W	13000W	15600W
	PV Input Voltage(V)	550V (150V~800V)		
	MPPT Range(V)	200V-650V		
	Start-up Voltage(V)	150V		
	PV Input Current(A)	13A+13A	26A+13A	26A+13A
	No. of MPPT Trackers	2		
	No. of Strings Per MPPT Tracker	1+1	2+1	2+1
AC Output	Rated AC Output and UPS Power(W)	8000	10000	12000
	Max. AC Output Power(W)	8800	11000	13200
	Peak Power(off grid)	2 times of rated power, 10 S		
	AC Output Rated Current(A)	12A	15A	18A
	Max. AC Current(A)	18A	23A	27A
	Max. Continuous AC Passthrough(A)	50A		
	Output Frequency and Voltage	50/60Hz; 230/400Vac (Three phase)		
	Grid Type	Three Phase		
Battery	Current Harmonic Distortion	THD<3% (Linear load<1.5%)		
	Battery Type	Lithium Ion Phosphate		
	Energy	5.12KWh		
	Nominal Voltage	51.2V		
	Working Voltage Range	44.8~57.6		
	Scalability	16pcs		
Efficiency	Life Span	6000 cycles		
	Max. Efficiency	97.60%		
	Euro Efficiency	97.00%		
Protection	MPPT Efficiency	99.90%		
	PV Arc Fault Detection	Integrated		
	PV Input Lightning Protection	Integrated		
	Anti-islanding Protection	Integrated		
	PV String Input Reverse Polarity Protection	Integrated		
	Insulation Resistor Detection	Integrated		
	Residual Current Monitoring Unit	Integrated		
	Output Over Current Protection	Integrated		
Standard Compliance	Output Shorted Protection	Integrated		
	Surge Protection	DC Type II / AC Type II		
	Grid Regulation	UL1741, IEEE1547, RULE21, VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727		
	Safety Regulation	IEC62109-1, IEC62109-2		
General	EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		
	Battery Cert.	IEC62619, IEC60730, EMC, CEC		
	Operating Temperature Range(°C)	-25~60 °C, >45 °C Derating		
	Cooling	Smart cooling		
	Noise(dB)	<30 dB		
	Communication with BMS	RS485; CAN		
	Inverter Weight(kg)	36.8		
	Inverter Size(mm)	422W×658H×281D		
	Battery Weight(kg)	45		
Battery Size(mm)	422W×323H×281D			
Installation Style	Wall-mounted			
Warranty	5 years			