

TECHNICAL DATA

MODEL		ITD D1-0505X (US)	ITD D1-0605X (US)	ITD D1-0705X (US/EU)	ITD D1-0805X (US/EU)
PV Input	Max. DC Input Power(W)	6500W	7800W	9880W	10400W
	PV Input Voltage(V)	370V (100V-500V)			
	MPPT Range(V)	125-425V			
	Start-up Voltage(V)	150V			
	PV Input Current(A)	11A+11A	11A+22A	22A+22A	22A+22A
	No. of MPPT Trackers	2			
	No. of Strings Per MPPT Tracker	1+1	1+2	2+2	2+2
AC Output	Rated AC Output and UPS Power(W)	5000	6000	7600	8000
	Max. AC Output Power(W)	5500	6600	8360	8800
	Peak Power(off grid)	2 times of rated power, 10 S			
	AC Output Rated Current(A)	20.8A	25A	31.7A / 33A	33.4A / 35A
	Max. AC Current(A)	22.9A	27.5A	34.9A / 36.3A	36.7A / 38.5A
	Max. Continuous AC Passthrough(A)	35A	40A	50A	50A
	Power Factor	0.8 leading to 0.8 lagging			
	Output Frequency and Voltage	50 / 60Hz; 120 / 240Vac (split phase), 208Vac (2 / 3 phase), 230Vac (single phase)			
	Grid Type	Split phase; 2 / 3 phase; Single Phase			
	Current Harmonic Distortion	THD<3% (Linear load<1.5%)			
Battery	Battery Type	Lithium Ion Phosphate			
	Energy	5.12KWh			
	Nominal Voltage	51.2V			
	Working Voltage Range	44.8-57.6			
	Scalability	16pcs			
	Life Span	6000 cycles			
Efficiency	Max. Efficiency	97.60%			
	Euro Efficiency	97.00%			
	MPPT Efficiency	99.90%			
Protection	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			
	Output Shorted Protection	Integrated			
Surge Protection	DC Type II / AC Type II				
Standard Compliance	Grid Regulation	UL1741, IEEE1547, RULE21, VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727			
	Safety Regulation	IEC62109-1, IEC62109-2			
	EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B			
	Battery Cert.	IEC62619, IEC60730, EMC, CEC			
General	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)	32			
	Inverter Size(mm)	420Wx670Hx233D			
	Battery Weight(kg)	45			
	Battery Size(mm)	420Wx323Hx233D			
	Installation Style	Wall-mounted			
Warranty	5 years				