



SDT G4-HY



Efficient Inversion, Smart Optimization



Multi-Protection Design for Safe and Stable Operation



Remote Monitoring, Real-Time Anomaly Alerts



Tested in Severe Conditions,Ready for Extreme Weather & Environment



Real-time revenue outlook, remote upgrade services



Efficient Installation, Smart Layout for Maximum ROI



SDT G4 /HY

Electrical Specification

MODEL	25K	33K	35K	40K
Input DC				
Max input voltage	1000 V			
Rated voltage	720 V			
Start-up voltage	180 V			
MPPT voltage range	180 - 1000 V			
Max input current	40 A / 40 A / 40 A			
Max short circuit current	63 A / 63 A / 63 A			
MPPT number / Max input strings number	3 / 6			
Output AC				
Rated output power	25 kW	33 kW	35 kW	40 kW
Max apparent output power	25 kVA	33 kVA	35 kVA	40 kVA
Max output power	25 kW	33 kW	35 kW	40 kW
Rated grid voltage	3Φ/PE, 480 V			
Rated grid frequency	60 Hz			
Max output current	30.1 A	39.7 A	43.3 A	48.1 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)			
THDi	< 3%			

Efficiency

Max efficiency	98.70%
CEC efficiency	98.20%

Protection

DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	DC Type II / AC Type II
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
Strings monitoring	Yes
I/V Curve scanning	Yes
Multi peak scan	Yes
Integrated AFCI	Yes
Integrated PID recovery	Optional
Integrated DC switch	Yes
Integrated AC switch	Yes

General Data

Dimensions (W x H x D)	760x520x300 mm
Weight	45.7 kgs
Topology	Transformerless
Self-consumption (night)	<1W
Relative humidity	0-100%
Operating ambient temperature range	-25° C to 60°C
Ingress protection	TYPE 4X
Noise emission (typical)	<55 dB(A)
Cooling concept	Natural cooling
Max operation altitude	13,120 ft(4000 m)
Compliance	UL1741SB,IEEE 1547-2018,UL1699B,UL1998.
	FCC Part15 ClassB,California Rule 21,Heco Rule
	14H,NEC 690.12-2020,CAN/CSA C22.2107.1-1

Features

DC connection	MC4 connector
AC connection	OT terminal (4 AWG to 3/0 AWG)
Display	LCD
Communication	Modbus RTU (Sunspec compliant),RS485, Optional: Cellular, Wi-Fi



Specifications are subject to change without prior notice!

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