

PRODUCT DATA SHEET

BRIEF INFORMATION

300W

POWER SUPPLY HIGH END SERIES

MODE : GDS-PS300W

SIZE : 191X58X31MM

INPUT : AC200-240V~50/60Hz

OUTPUT : 12V= 25A



CE FC CQC SAA RoHS

GDS-PS30012-20(BLACK)

DC
12V

IP
20

2
YEARS
WARRANTY

PRODUCT FEATURES

- BUILT-IN EMI FLITER
- 100% LOAD BURN-IN TEST
- LOW OUTPUT RIPPLE AND NOISE
- ULTRA SLIM DESIGN, SUITABLE NARROW INSTALL
- AVERAGE NO TROUBLE WORKING >20,000 HOURS
- OUTPUT OVER- VOLTAGE, OVER-CURRENT AND SHORT- CIRCUIT PROTECTION
- TWO YEARS WARRANTY

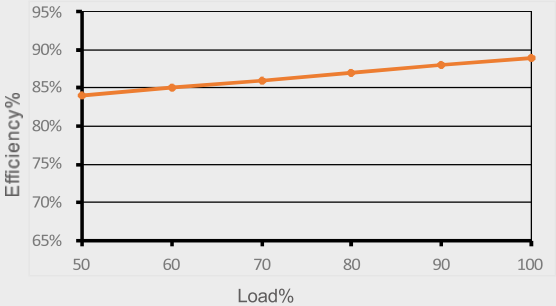
TECHNICAL PARAMETERS

OUTPUT	MODEL	GDS-PS20012-20	GDS-PS20024-20
	DC VOLTAGE	12V	24V
	RATED CURRENT	25A	12.5A
	CURRENT RANGE	0-25A	0-12.5A
	RATED OUTPUT POWER	300W	300W
	RIPPLES AND NOISE	≤200MVP-P	≤300MVP-P
	OUTPUT CURRENT RANGE	11.5-12.5V	23-25V
	PRECISION OF OUTPUT VOLTAGE REGULATION	±0.5%	±0.5%
	RATE OF LINEAR ADJUSTMENT	±0.5%	±0.5%
	LOAD ADJUSTMENT RATE	±0.5%	±0.5%
	THE STARTUP TIME	≤2S/230VAC	
	KEEP TIME	10MS/230VAC	
	VOLTAGE RANGE	176-264VAC	
	FREQUENCY RANGE	50HZ	
	POWER FACTOR	PF≥ 0.6/230VAC	

INPUT	EFFICIENCY	≥ 89%	≥ 91%
	ALTERNATING CURRENT	3.4A/230VAC	
	SURGE CURRENT	50A/230VAC	
	LEAKAGE CURRENT	<5mA/230VAC	
		110%-140%:RATED 110%-140% OF THE TOTAL POWER INPUT	
	OVERLOAD	PROTECTION MODE:AUTO RECOVERY MODE. THE SYSTEM AUTOMATICALLY RECOVERS WHEN ABNORMAL LOAD CONDITIONS ARE REMOVED.	
PROTECTION	SHORT CIRCUIT	PROTECTION MODE: AUTO RECOVERY MODE. THE SYSTEM AUTOMATICALLY RECOVERS WHEN ABNORMAL LOAD CONDITIONS ARE REMOVED.	
	OVER VOLTAGE	PROTECTION MODE: SELF-RECOVERY MODE,AUTOMATIC RECOVERY WHEN THE OVERVOLTAGE IS REMOVED.	
	OVER TEMPERATURE	PROTECTION MODE:SELF-RECOVERY MODE,AUTOMATICALLY RECOVER WHEN THE TEMPERATURE DROPS.	
	ENVIRONMENT	WORKING TEMPERATURE: -35~+50°C	
		WORKING HUMIDITY: 20-90% RH	
		STORAGE TEMPERATURE;HUMIDITY:- 30~+85°C; 10~95% RH	
		TEMPERATURE COEFFICIENT: ±0.1%/°C(0-35°C)	
		RESISTANCE TO VIBRATION: 10-500HZ, 3G 10MIN. / 1 CYCLE, 60 MIN. EACH AXES	
		SAFETY NORMS: EN60950 , GB4943.1 -2011	
		WITHSTAND VOLTAGE: L/P-O/P:1.5KVAC L/P- FG:1.5KVAC O/P-FG:0.5KVAC	
	SAFETY & EMC	INSULATION IMPEDANCE : L/P-O/P, L/P-FG, O/P- FG:100M OHMS / 500VDC / 25° C/ 70% RH	
		EMC : —	
		PROTECTION GRADE : IP20	

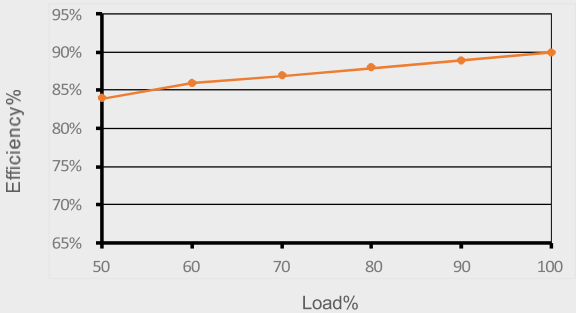
PROTECTION	OTHER	MTBF : ≥30KHOUR 25°C
		POWER SUPPLY SIZE : L191*W58*H31MM
		POWER SUPPLY WEIGHT : 315G
	NOTE : 1. UNLESS OTHERWISE SPECIFIED , ALL SPECIFICATION ARE MEASURED AT AN INPUT OF 230VAC,RARTED NEGATIVE CUT,AND AMBIENT TEMPERATURE OF 25°C. 2.RIPPLE AND NOISE MEASUREMENT METHOD:THE MEASURED END IS CONNECTED IN PARALLEL WITH A 0.1UF+10UF CAPACITOR,THE OSCILLOSCOPE IS SET TO 20MHZ BANDWIDTH,AND THE PROBE IS TESTED WITH CAP OFF AND FULL LOAD AT 25°C. 3.ACCURACY :INCLUDES SETTING ERROR , LINEAR ADJUSTMENT RATE AND LOAD ADJUSTMENT RATE . 4.THE OUTPUT POWER IS REDUCED WHEN THE INPUT VOLTAGE IS LESS THAN 200VAC.	

EFFICIENCY VS LOAD



GDS-PS-12V

EFFICIENCY VS LOAD



GDS-PS-24V

TEMPERATURE LOAD CURVE

