



- ① Series name
② Single output
③ Output wattage
④ Input voltage
48:DC36 - 76V
⑤ Output voltage

MODEL	CDS6004812	CDS6004828
MAX OUTPUT WATTAGE[W]	700	700
DC OUTPUT	12.5V 56A	28V 25A

SPECIFICATIONS

	MODEL	CDS6004812	CDS6004828
INPUT	VOLTAGE[V]	DC36 - 76	
	CURRENT[A]	*1 17typ	17typ
	EFFICIENCY[%]	89typ (DCIN 48V, Io=100%), 91typ (DCIN 48V, Io=50%)	89typ (DCIN 48V, Io=100%), 90typ (DCIN 48V, Io=50%)
OUTPUT	VOLTAGE[V]	12.5	28
	CURRENT[A]	56	25
	LINE REGULATION[mV]	40max	95max
	LOAD REGULATION[mV]	100max	190max
	RIPPLE[mVp-p]	0 to +85°C *2 120max	120max
		-20 - 0°C *2 160max	160max
	RIPPLE NOISE[mVp-p]	0 to +85°C *2 150max	150max
		-20 - 0°C *2 180max	180max
	TEMPERATURE REGULATION[mV]	0 to +65°C 120max	280max
		-20 to +85°C 200max	480max
	DRIFT[mV]	*3 40max	90max
PROTECTION CIRCUIT AND OTHERS	START-UP TIME[ms]	200max (DCIN 48V, Io=100%)	
	OUTPUT VOLTAGE ADJUSTMENT RANGE	Fixed (TRM pin open), 80 - 110% adjustable by external VR or external voltage	
	OUTPUT VOLTAGE SETTING[V]	12.00 - 13.00	26.88 - 29.12
	OVERCURRENT PROTECTION	Works over 105% of rating and recovers automatically	
	OVERVOLTAGE PROTECTION[V]	14.35 - 17.50	32.20 - 39.20
ISOLATION	REMOTE SENSING	Provided	
	REMOTE ON/OFF	Provided (On both side of input and output)	
	INPUT-OUTPUT	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)	
	INPUT-FG	AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15°C)	
	OUTPUT-FG	AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15°C)	
ENVIRONMENT	OUTPUT-RC2.RC3	AC100V 1minute, Cutoff current = 100mA, DC100V 10MΩ min (20±15°C)	
	OPERATING TEMP., HUMID. AND ALTITUDE	-20 to +85°C (On aluminum base plate), 20 - 95%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max	
	STORAGE TEMP., HUMID. AND ALTITUDE	-40 to +85°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max	
	VIBRATION	10 - 55Hz, 49.0m/s ² (5G) 3minutes period, 60minutes each along X, Y and Z axis	
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis	
SAFETY	AGENCY APPROVALS	UL60950, C-UL, EN60950	
OTHERS	CASE SIZE/WEIGHT	61 × 12.7 × 116.8mm (W × H × D) / 200g max	
	COOLING METHOD	Conduction cooling (e.g. heat radiation from the aluminum base plate to the attached heat sink)	

*1 At rated input(DC48V) and rated load.

*2 Ripple and ripple noise is measured by using measuring board with recommended capacitor Co & the film capacitor 0.1 μF.
Measured by 20MHz oscilloscope or Ripple-Noise meter (Equivalent to KEISOKU-GIKEN:RM101).

*3 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C, with the input voltage held constant at the rated input/output.