



# 5W AC-DC Single Output Wall-mounted type

# GS05E-USB



### ■ Features :

- Universal AC input / Full range
- No load power consumption <0.3W
- Compact size
- ErP step2 compliant
- 2 pole Euro plug
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Pass LPS
- 100% full load burn-in test
- Fully enclosed plastic case
- Low cost, high reliability
- 2 years warranty

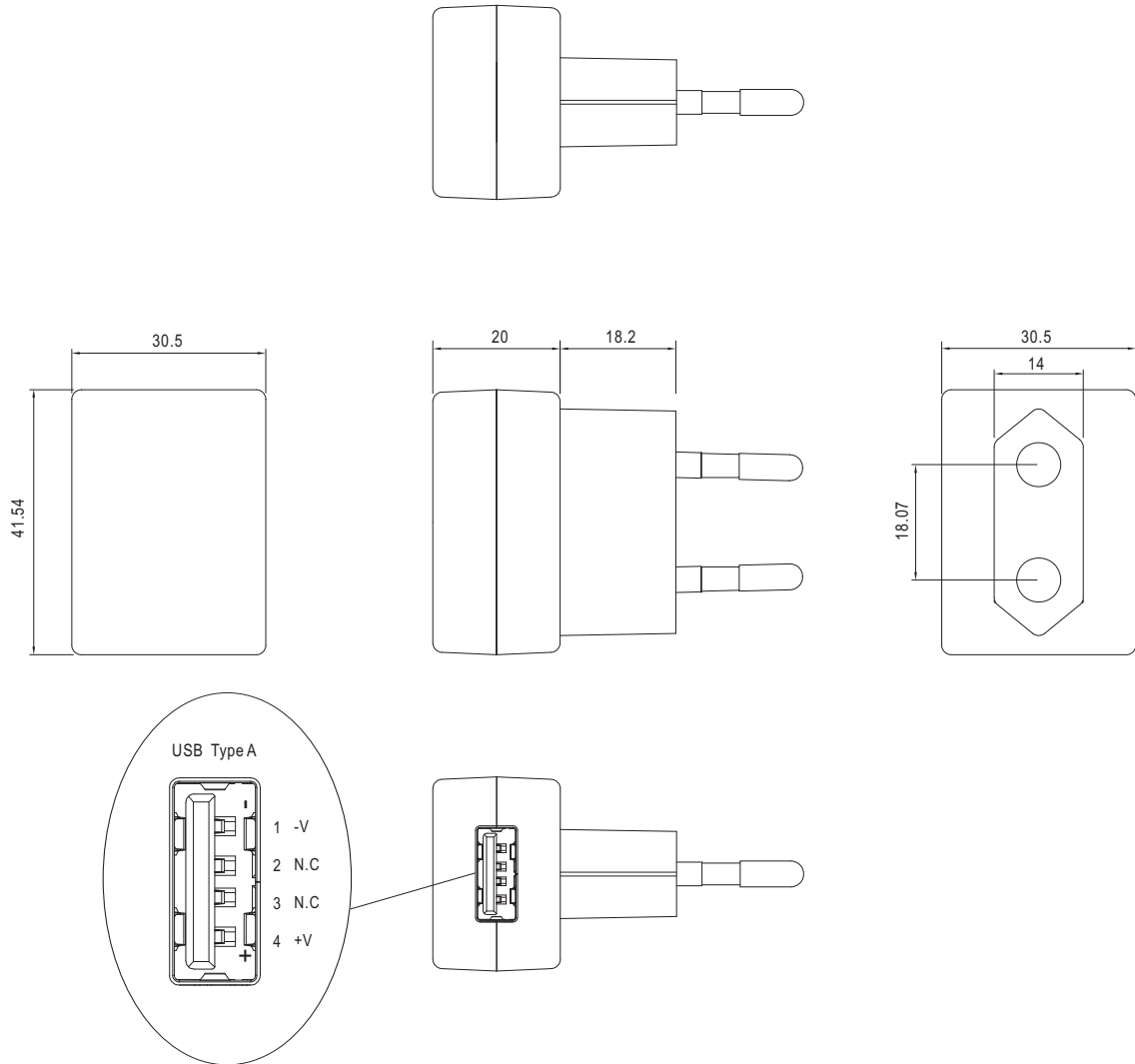


### SPECIFICATION

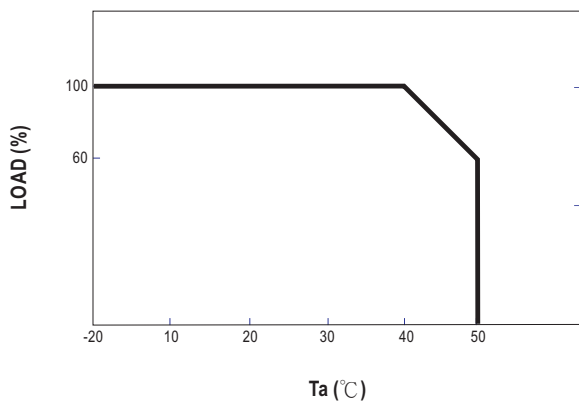
MODEL NO.		GS05E-USB
OUTPUT	DC VOLTAGE <small>Note.2</small>	5V
	RATED CURRENT	1.00A
	CURRENT RANGE	0 ~ 1.00A
	RATED POWER	5W
	RIPPLE & NOISE (max.) <small>Note.3</small>	80mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±4.0%
	LINE REGULATION <small>Note.5</small>	±1.0%
	LOAD REGULATION <small>Note.6</small>	±4.0%
SETUP, RISE, HOLD UP TIME		300ms, 20ms, 50ms at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.) <small>Note.7</small>	71%
	AC CURRENT	0.15A / 100VAC
	INRUSH CURRENT (max.)	30A / 230VAC
LEAKAGE CURRENT(max.)		0.25mA / 240VAC
PROTECTION	OVERLOAD	105 ~ 135% rated output voltage power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	105 ~ 200% rated output voltage, detect on main control IC Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER TEMPERATURE	U1 Tj 142°C typically (U1) detect on main control IC Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
ENVIRONMENT	WORKING TEMP.	-20 ~ +50°C (Refer to "Derating curve")
	WORKING HUMIDITY	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)
VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC <small>(Note. 8)</small>	SAFETY STANDARDS	TUV EN60950-1 approved
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55022 Class B, EN61000-3-2,3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A
OTHERS	MTBF	1100Khrs min. MIL-HDBK-217F(25°C)
	DIMENSION	41.54*30.5*20mm (L*W*H)
	PACKING	32g ; 78pcs / 4.6Kg / CARTON
DC OUTPUT CONNECTOR		USB Type A
NOTE	<ol style="list-style-type: none"> <li>1.All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient.</li> <li>2.DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.</li> <li>3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</li> <li>4.Tolerance: includes set up tolerance, line regulation, load regulation.</li> <li>5.Line regulation is measured from low line to high line at rated load.</li> <li>6.Load regulation is measured from 0% to 100% rated load</li> <li>7.Efficiency is measured at 230VAC.</li> <li>8.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives.</li> </ol>	

■ Mechanical Specification

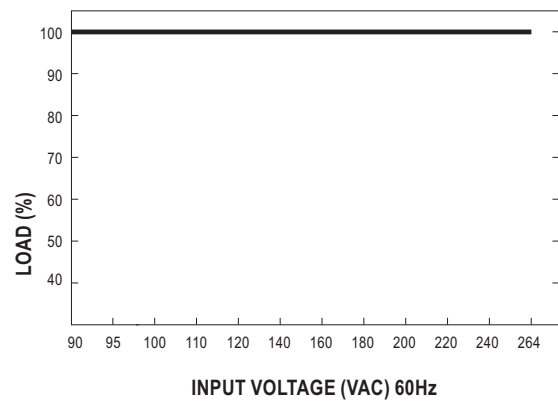
Unit:mm



■ Derating Curve



■ Static Characteristics



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