

### Features

- Quick Charge 2.0 Pattern
- CEC Compliance
- RoHS Compliance
- Over Voltage Protective Installation
- Over Power Protective Installation
- Short Circuit Protective Installation
- MTBF > 30,000 hours

### EA1022 x - PP

x: Case type to denote different enclosure

PP: Connector type, ie 01 for EDACPOWER standard

### Electrical Specifications

MODEL No.	MAX. OUTPUT POWER (W)	OUTPUT VOLTAGE (Vo)	MIN. LOAD (Io)	MAX. LOAD (Io)	LOAD REGULATION	LINE REGULATION	RIPPLE & NOISE
EA1022X	30W	5V, 9V, 12V, 20V	0A	4A	± 5%	± 1%	240mV

Table 1. Output interface (Reference): Standard USB output

D+	D-	Output
Open Circuit	Open Circuit	5V (Default)
3.3V	0.6V	9V
0.6V	0.6V	12V
3.3V	3.3V	20V

TABLE 2. OUTPUT SPEC

Output Voltage	Output Current	Output Watt
5V	4A	20W
9V	2.22A	20W
12V	2.5A	30W
20V	1.0A	20W

#### NOTE:

- 1 : Ripple & noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uF ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
- 2 : Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- 3 : Max. Output Power (W) ≥ Vo x Io
- 4 : Output Voltage control follow Table 1 rule.
- 5 : Output Voltage Spec refer Table 2.

### Electrical Specifications

#### INPUT

- Input Range 100Vac to 240 VAC
- Frequency 50 to 60Hz
- Input Current ≤1.0A
- Inrush Current ≤60A at 230 Vac At cold start, maximum load
- Turn On Time ≤3S
- Hold up Time ≥8.3mS

#### OUTPUT

- Over Voltage Protection Auto Recovery
- Short Circuit Protection Auto Recovery
- Over Power Protection Auto Recovery
- Efficiency AVG 80.95% Typ.
- No Load power ≤0.3W (Only for 5V, 9V, 12V output used)

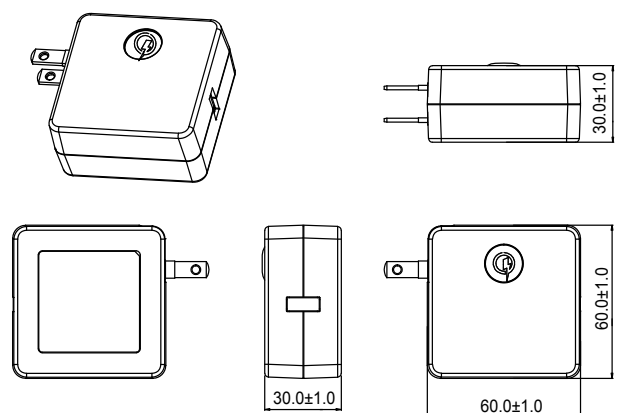
#### ENVIRONMENTAL

- Operating Temperature 0 to 40°C
- Storage Temperature -20 to 85°C
- Operating Humidity 10% to 90 %
- Storage Humidity 5% to 90 %

#### SAFETY

- UL/cUL, CB, FCC

### Mechanical Specification



- Case Size: 60L x 60W x 30H (mm)
- AC Input: USA Type
- DC Output: USB Type
- Weight: 200g