

Selection Guide

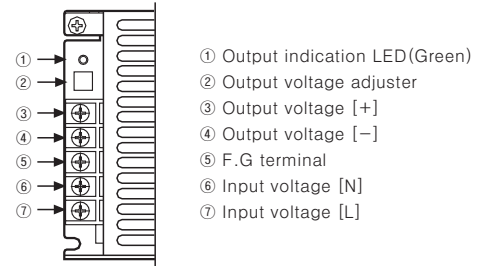
Switching power supply with minimized noise and ripple(SPA series)

Ordering information

SPA - 030 - 05

| | | |
|----------------|-----|------------------------|
| Output voltage | 05 | 5VDC |
| | 12 | 12VDC |
| | 24 | 24VDC |
| Output power | 030 | 30W |
| | 050 | 50W |
| | 075 | 75W |
| | 100 | 100W |
| | SPA | Switching power supply |

Input · Output terminals and functions



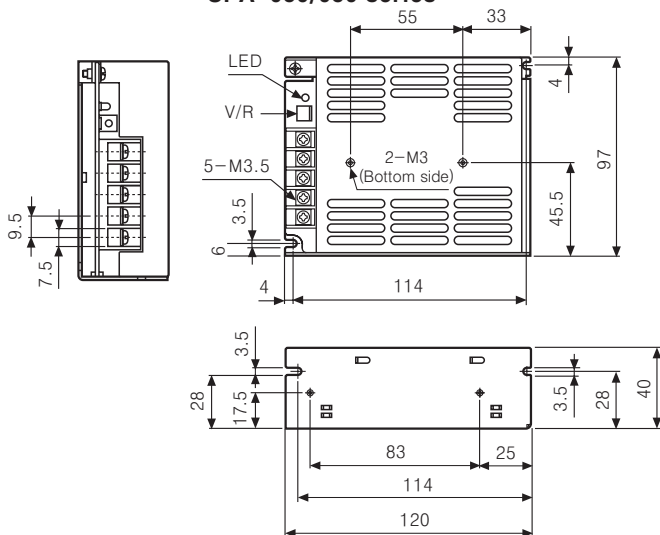
Specifications

| Type | | SWITCHING MODE POWER SUPPLY | | | | | | | | | | | | | |
|--------------------------|-------------------------------|------------------------------------|------------|------------|-------------------|------------|------------|--|------------|--------------------------------------|--------------------------------------|--------------------------------------|------------|-------|--|
| Model | | SPA-030-05 | SPA-050-05 | SPA-030-12 | SPA-050-12 | SPA-030-24 | SPA-050-24 | SPA-075-05 | SPA-100-05 | SPA-075-12 | SPA-100-12 | SPA-075-24 | SPA-100-24 | | |
| Appearances & Dimensions | | [W97×H40×L120mm] | | | | | | [W97×H40×L160mm] | | | | | | | |
| Input | Voltage (5) | 100-240VAC(85-264VAC) 50/60Hz | | | | | | 100-120/ 200-240VAC(85-132/170-264VAC) 50/60Hz | | | | | | | |
| | Efficiency (1) | Min. 60% | Min. 67% | Min. 74% | | Min. 80% | | Min. 70% | | Min. 78% | Min. 72% | Min. 78% | Min. 80% | | |
| | Current consumption (1) | Max. 1.2A | Max. 1.6A | Max. 1.0A | Max. 1.4A | Max. 0.8A | Max. 1.1A | Max. 3.0A | | Max. 2.0A | Max. 3.0A | Max. 2.0A | Max. 2.5A | | |
| Output characteristic | Voltage | 5VDC | | | 12VDC | | 24VDC | | 5VDC | | | 12VDC | | 24VDC | |
| | Current | 6A | 10A | 2.5A | 4.2A | 1.5A | 2.1A | 15A | 20A | 6.3A | 8.5A | 3.2A | 4.2A | | |
| | Wattage | 30W | 50W | 30W | 50W | 30W | 50W | 75W | 100W | 75W | 100W | 75W | 100W | | |
| | Voltage fluctuation range (4) | ±5% | | | | | | | | | | | | | |
| | Input fluctuation (2) | Max. ±0.5% | | | | | | | | | | | | | |
| | Load fluctuation (1) | Max. ±2% | | | Max. ±1% | | | Max. ±2% | | | Max. ±1% | | | | |
| | Ripple (1) | Max. ±1% | | | | | | | | | | | | | |
| | Starting time (1) | Max. 200ms | | | Max. 150ms | | | Max. 250ms | | | | | | | |
| Holding time (1) | Min. 10ms | | | | | | Min. 5ms | | Min. 10ms | Min. 5ms | Max. 10ms | | | | |
| Protection function | Inrush current protection | Max. 30A(100VAC) /Max. 40A(240VAC) | | | Max. 20A (100VAC) | | | Max. 45A (100VAC) /Max. 50A (240VAC) | | Max. 35A (100VAC) /Max. 40A (240VAC) | Max. 45A (100VAC) /Max. 50A (240VAC) | Max. 35A (100VAC) /Max. 40A (240VAC) | | | |
| | Overcurrent limit | Min. 110% | | | | | | Min. 105% | | Min. 110% | | | | | |
| | Overvoltage limit | | | | | | | 6.5V ±10% | | 16V ±10% | | 30V ±10% | | | |
| | Short circuit protection | Max. 5ms | | | | | | Max. 10ms | | Max. 5ms | Max. 10ms | Max. 5ms | | | |

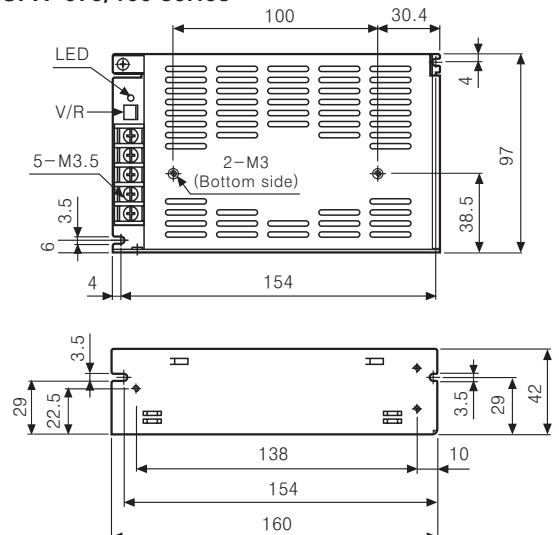
※ (1) 100% load for rated input voltage(100VAC).
 ※ (2) Rated input voltage [SPA-030/050 Series : 100-240VAC(85-264VAC) / SPA-075/100 Series : 100-120/200-240(85-132/170-264VAC)] under 100% of load.
 SPA-100-05 is under 100% of load for [100-120/200-240VAC(100-132/190-264VAC)].
 ※ (3) Rated input voltage(100VAC). ※ (4) Vary voltage by output voltage adjuster, it is changed over voltage variation range(±5%).
 ※ (5) The rated input volatge of SPA-100-05 is 100-120/200-240VAC(100-132/190-264VAC).

Dimensions

• SPA-030/050 series



• SPA-075/100 series



Unit:mm