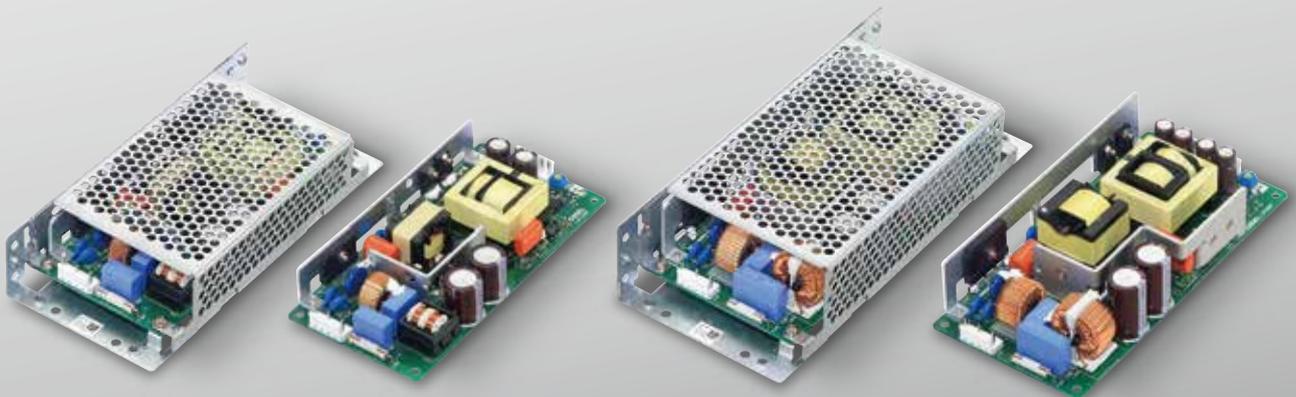


COSEL

Open Frame type · High Peak Power

LHP series

High Peak Power AC-DC Power Supply



LHP150F

LHP300F

Open Frame type & INDUSTRIAL

LHP
series

Big inrush current or start-up current flows through the load

Big increase / decrease of load in an application

Big increase / decrease of power at operation of an application



Finally

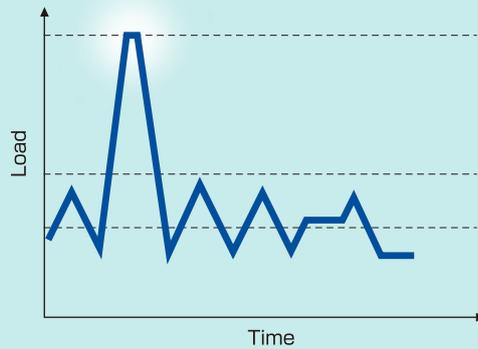
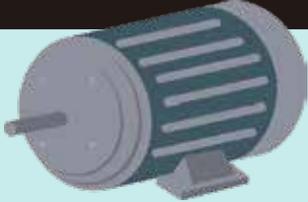
The choice of the power supply meets the MAX load condition

Price becomes Higher !

Size becomes Bigger !

Layout becomes a problem because of limited space !

Power supply for motor drive system



Can solve the problem

When using MAX load conditions

Rated 600W PS



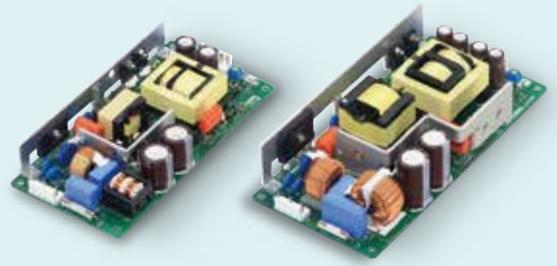
LHP300F

When using power supply with peak power

**Peak 600W PS
Rated 300W PS**

Usually, the power supply is selected so that the steady power is between 60% to 80% of the maximum rated power. But if the maximum power is at peak power, you can choose a power supply with peak power. LHP series has 200% peak power of the rated power with a 10% duty circle and for up to 10Sec. You can choose a lower rated power-power supply and can save cost and space.

Open Frame type With High Peak Power LHP series



Many advantages

External Control

Alarm reset by remote function (-R□ option)

The LHP series has built in OVP with latches off when activated, but it can be reset using the Remote ON/Off not requiring AC recycling to unlatch.

Control of
Re-start



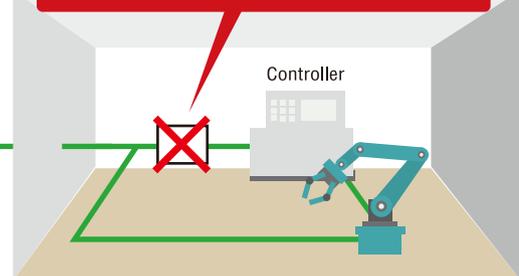
Industrial Equipment : Transformer-less

Meets EN62477-1 (OVCIII)

Meets EN62477-1 (OVCIII)
Isolated transformer not needed at front stage of a power supply, and can connect with application wiring directly.

Reduce an
application
size

No isolation transformer needed



Microcomputer-based digital assist control

Modification requests available

LHP series is available with modification requests by the microcomputer-based digital assist control.
Ex.) Time setting of start-up sequence, Current value setting of OCP and so on.

Arrangement
flexibility

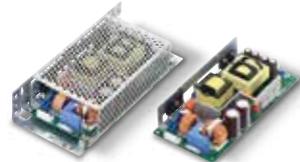


LHP series

-SN option:
with chassis
and cover



-SN option:
with chassis
and cover



Model		LHP150F	LHP300F	Remarks
Input Voltage		85-264VAC 1 ϕ , 50/60Hz		
Output Wattage	Rated	150W	300W	
	Peak	300W	600W	
Efficiency (230VACin, Io=100%)		92.0%	93.5%	24VDCout
Output Voltage Output Current : Rated / Peak	24V	6.3A / Peak 12.6A	12.5A / Peak 25.0A	
	30V	5.0A / Peak 10.0A	10.0A / Peak 20.0A	
	36V	4.2A / Peak 8.4A	8.4A / Peak 16.8A	
	42V	3.6A / Peak 7.2A	7.2A / Peak 14.4A	
	48V	3.2A / Peak 6.4A	6.3A / Peak 12.6A	
Case Size (W×H×D)		75×27×160mm [2.95×1.07×6.30 Inches]	84×37×180mm [3.31×1.46×7.09 Inches]	
Safety Standards		UL62368-1, C-UL (equivalent to CAN/CSA-C22.2No.62368-1), EN62368-1, EN62477-1 (OVCIII) [approved], DEN-AN [complied]		
Conducted Noise		FCC-B, VCCI-B, CISPR11-B, CISPR32-B, EN55011-B, EN55032-B [complied]		
Operating Ambient Temperature		-10°C- +70°C (Derating is required)		
EMC Immunity		IEC61000-3-2 (Class A) [complied]		
Cooling Method		Convection Cooling / Forced Air Cooling		

Various Option Line-Up (Currently under development)

Code	Function	LHP150F	LHP300F
Y	With potentiometer	*Normal	*Normal
C	Conformal coating	✓	✓
G	Low leakage current	✓	✓
J4	With connector of TE Connectivity	✓	✓
J5	With connector of 8 pins (Normal: 10 pins)	—	✓
R	Remote on/off control	✓	✓
R2	Low standby power consumption at the remote off condition	✓	✓
R4	Logic negative of "-R" option	✓	✓
R5	Logic negative of "-R2" option	✓	✓
S	With chassis	✓	✓
SN	With chassis and cover	✓	✓
T	With terminal block	✓	✓
T4	With push-in type terminal block	✓	✓
T5	UL508 approved (terminal block type)	✓	✓
U1	With extended hold-time unit	✓	✓

*: Normal model has built-in a potentiometer.

Compact•Low Profile (300W)

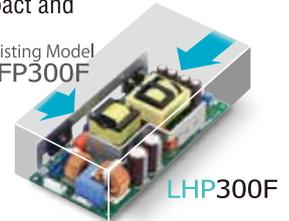
The combination of our analog technology and microcomputer-based digital assist control contributes to the realization of both being compact and low profile / highly efficient.

Volume Ratio

50% Smaller

Can reduce an application size

Existing Model
LFP300F



Peak power

200% Peak Current Available

LHP150F → **300W Peak**
LHP300F → **600W Peak**

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