

Power supply equipment capacity and required cable thickness

Item		YD-200DS2		YD-300DS2		YD-500DS2	
Input power source		200 to 200 V AC, 50 Hz/60 Hz					
Number of phases		Single-phase	3-phase	Single-phase	3-phase	single-phase	3-phase
Equipment capacity	Commercial power source	8.7 kVA or more	11.3 kVA or more	8.8 kVA or more	12.0 kVA or more	14.5 kVA or more	24.5 kVA or more
	Engine generator	3 times more than 8.7 kVA	2 times more than 11.3 kVA	3 times more than 8.8 kVA	2 times more than 12.0 kVA	3 times more than 14.5 kVA	2 times more than 24.5 kVA
Input protection equipment (Power distribution box)	For fused switchgear	40 A (Type B)	30 A (Type B)	40 A (Type B)	30 A (Type B)	60 A (Type B)	60 A (Type B)
	No-fuse breaker or Leakage breaker	60 A	40 A	60 A	40 A	75 A	75 A
Input side cable		8 mm ² or more (for M6)	5.5 mm ² or more (for M6)	8 mm ² or more (for M6)	5.5 mm ² or more (for M6)	14 mm ² or more (for M6)	14 mm ² or more (for M6)
Ground cable		The ground cable must be equal to or greater than the input power cable.					

*See the instruction manual of the welding machine for details.

For more information, consult the engine generator manufacturer.