Minimum Output Current	Minimum Output Power	Minimum Input Current	Maximum Output Current	Maximum Output Power	Maximum Input Current
$Vin = 28.00V$ $Vout = 12.00V$ $Total power output = 181.24W$ $Iout = \frac{181.24W}{12V} = 15.1033A$	DC-DC η (efficiency) = 86% Pin = $\frac{Pout}{\eta}$ Pin = $\frac{181.24W}{0.86}$ = 210.74W	DC-DC Input Current lin (full load) = 19.36A $lin = \frac{Pin}{Vin}$ $lin = \frac{210.74W}{28V} = 7.53A$	$Vin = 28.00V$ $Vout = 12.00V$ $Total power output = 326.9W$ $Iout = \frac{326.9}{12V} = 27.24A$	$Pin = \frac{Pout}{\eta}$ $Pin = \frac{326.9W}{0.86} 380.11W$	DC-DC Input Current lin (full load) = 19.36 $\lim = \frac{\text{Pin}}{\text{Vin}}$ $\lim = \frac{380.11\text{w}}{28\text{V}} = 13.57\text{A}$
	29.5W dissipated as heat	% of load = $\frac{7.53A}{19.36A} = 38.89\%$		53.2W dissipated as heat	% of load = $\frac{7.53A}{19.36A}$ = 70.12%

