

Table 1: The five best runs according to accuracy.

	Run Number	Accuracy (in %)	GPU (in kWh)	Number of Parameters	Energy Quotient
1	78	0.95954	183.95712	acc	gpu
2.	52	0.94792	121.27731	acc	gpu
3.	47	0.92838	182.02019	acc	gpu
4.	14	0.91066	119.07077	acc	gpu
5.	93	0.91026	144.01865	acc	gpu

Table 2: The five best runs according to GPU.

	Run Number	GPU (in kWh)	Accuracy (in %)	Number of Parameters	Energy Quotient
1	35	111.87385	0.35016	acc	gpu
2.	44	111.90538	0.1914	acc	gpu
3.	92	112.5375	0.0104	acc	gpu
4.	98	112.62692	0.01883	acc	gpu
5.	45	113.43481	0.0116	acc	gpu

Table 3: Parameter values for the winning run in accuracy.

Parameter	Value
model	resnet50
preprocessing	standardization
augmentation	None
precision	float16
batch_size	64
partitioning	80-10-10
lr	0.0008
lr_schedule	exponential
optimizer_momentum	0.5
optimizer	RMSProp
internal	jit_compilation
seed	22
n_parameters	23792612

Table 3: Parameter values for the winning run in GPU.

Parameter	Value
model	resnet50
preprocessing	None
augmentation	cutmix
precision	global_policy_float16
batch_size	64
partitioning	90-5-5
lr	0.01
lr_schedule	exponential
optimizer_momentum	0.5
optimizer	Adam
internal	post_quantization
seed	22
n_parameters	23792612